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CORPORATION OF MADRAS

ANNUAL REPORT

OF

THE HEALTH DEPARTMENT

FOR

1940

Printed at Rathnam Press
Madras :: 1941

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INTRODUCTION

Commissioner,

Sir,

In presenting my annual report for 1940, let me at the outset state that the conditions of public health were extremely satisfactory throughout the year. 1940 will be long remembered as a year of all round progress devoid of undue sickness and suffering. The year was exceptionally free from epidemics and substantial decrease in mortality under many major heads was recorded.

The calculated mid-year population for 1940 was 7,68,798 as against the census population of 7,77,481 enumerated 7 months later. 38 per cent of the growth of population between 1931 and 1941 was by excess of births over deaths. The number of live-births during the year 1940 exceeded the number of deaths by 7,113. This is the highest natural increase recorded during any year. 1940 is the twelfth year during which a natural increase has been recorded in succession.

The total of 33,238 births showed an increase of 1,572 births over that of the previous year and 2,472 births more than the average for the five years from 1935. The birth-rate was 43· 23 as against 41·34 in 1939.

The total of 26,125 deaths showed a decrease of 3,683 deaths when compared with that of the previous year. This gives a crude death-rate of 33·98 as against 38·92 in 1939. In the absence of any system for the transference of deaths of non-residents occurring in the city hospitals, no attempt could be made to correct the death-rate. If such a system had been in force, about 2,000 deaths would have been excluded from registration and the death-rate would also have been proportionately reduced.

There was a decrease of 649 deaths from infectious diseases as compared with the figures of 1939. Figures on page 11 show the decline of cholera during 1931–40. There were 941 deaths from cholera during 1931–40 as against 1,841 deaths between 1921 and 1930. The mortality shows fifty per cent reduction during the last decade. The decline has been rapid since 1937. There were 36 deaths in 1938 and 2 deaths in 1939 and during the year under report there was not a single death from cholera.

31 deaths occurred from small-pox as against 268 in the preceding year. Out of these 31 deaths, 7 occurred amongst imported cases and 9 amongst cases brought to the isolation hospitals for treatment from outside the city. Mortality from small-pox has begun to show definite signs of decline. It must be however stressed that the prevention of small-pox is not so easy as the control of cholera or malaria. In a

tropical climate with an extremely susceptible population, the successful control of small-pox lies in two directions, *viz.*, (1) preventing the transmission of infection into the city and (2) immunising the citizens against small-pox by compulsory vaccination. Vaccination confers immunity only for a short period. During the year under report, re-vaccination has been made compulsory once in 7 years in the city as suggested in my last report and the way thus paved for the scientific control of the disease. Over 50,000 houses were visited by the vaccination staff during the year and nearly 2,00,000 persons were vaccinated—a record for the city during any non-epidemic year. I have, however, to point out that the people of the city do not take wholeheartedly to vaccination in spite of the legal obligations. They make the staff visit their houses several times before they submit themselves to vaccination or give the required information. I earnestly appeal to the head of every family in the city to give the names of all the members of his or her family to the vaccination staff and not to mind what may appear to be an intrusion.

In my last report a reference was made about the decline of malaria in the city. Statement on page 14 shows that only 29 persons died of malaria as against 43 in 1939. This is the lowest mortality on record from this disease and is a sure indication of the good work done by the malaria section. 125 persons died of enteric as against 187 in 1939. Statement on page 14 shows the fluctuating nature of its incidence. Although the mortality recorded is not high, the danger of the infection is always present. All classes of persons are liable to be attacked. The disease has an insidious onset. Fortunately in the city it is not spread by drinking Red Hills water or milk. It is spread by flies either from case to case or from a carrier to case. Absolute control of enteric in the city is well nigh impossible as long as the practice of fouling streets, lanes and vacant spaces continues. It is unwise to sanction lay-outs in areas which cannot be provided with underground drainage before houses are constructed. Growth of new slums has to be nipped in the bud. Despite its fine buildings and broad roads, Thyagarayanagar has to face filariasis and enteric. This is due to the lack of sanitary drainage and latrines.

Great as has been the decline in mortality from cholera, small-pox, malaria and tuberculosis, the most outstanding and gratifying feature of the statistics is the reduction in infantile mortality. There was a reduction of 814 deaths under one year of age as compared with the mortality of 1939. The infantile mortality rate was 205·7 as against 241·62 for the previous year. This is the lowest infantile mortality on record. Statement on page 7 shows the infantile mortality during the last 30 years. A steady decline is noticeable from 1930. Egmore (27th division) recorded the lowest infantile mortality. Amongst the communities, Christians had the lowest and Muhammadans had the highest infantile mortality. Amongst the Hindus, Brahmins recorded the lowest infantile mortality. Putnavars, Naickers and Adi Dravidas recorded high infantile mortality. I had discussed at some length in my last report the methods of reducing infantile mortality. The improvement of Parthasarathy Kuppam inhabited by a large number of fishermen has already been taken up. The scheme should be extended to the other Kuppams and slum areas.

The centres of free medical relief—27 dispensaries, 2 special clinics and 2 infectious diseases hospitals—continued to function efficiently. Over 30 lakhs of cases were attended to at the dispensaries as against 28 lakhs in the previous year. Lady medical officers were put in charge of

female sections in the dispensaries at Mylapore, Chintadripet and Harbour divisions. Over 41,000 cases attended the leprosy and skin clinics. The venereal clinic at Perambur became more popular. 23,950 cases were attended to at this clinic as against 17,908 in the previous year. 2,642 smears of blood were examined. The scheme for the construction of 5 new buildings for locating some of the existing dispensaries was sanctioned by the Council.

The work of school medical inspection revealed improvement in the nutritional condition of boys and girls and in the affections of nose and throat. 10,574 school children were treated in the Corporation dispensaries. 474 new cases of leprosy were detected and treated during the year. In 71 cases improvement was noticed after prolonged treatment. 14,636 were re-examined. 1,202 cases of malnutrition improved after treatment. 135 children had their tonsils and adenoids removed by operation. 265 children had their carious teeth extracted. 456 skin cases improved after treatment.

The number of school children has been steadily increasing without a corresponding increase in the number of medical inspectors. There were 46,707 pupils on the rolls on 31–3–1941 as against 42,393 in the previous year. It is hardly possible for 4 inspectors and 2 inspectresses to examine 46,707 children during the school term and to attend to re-inspection and following-up work as well.

There are over 10 large high schools in the city located in spacious buildings, well ventilated and provided with lighted rooms, sanitary latrines and play-fields, owing mostly to private munificence. But when we come to the elementary schools, the picture is different. 50 per cent of the schools inspected were found defective. In 21 schools there were only dry latrines. It is extremely necessary to fix a much higher standard of sanitation for our elementary schools.

Greater volume of work was turned out by the food analysis section. 1,871 samples of food were analysed as against 1,246 in 1939. The quality of food sold in shops has improved. But hawkers continued to sell wholly adulterated stuff. 295 out of 296 samples seized from hawkers were adulterated. The quality of gingelly oil and milk improved while coffee and tea continued to be good.

On account of financial stringency, the scheme for building public cattle yards could not be proceeded with. War conditions impeded the progress of sanitary works. Only 43,599 feet of sewers were laid as against 94,454 feet in 1939. 3,049 flush-out latrines were installed in private houses as against 3,340 in the previous year. 18 public conveniences were opened during the year. A scheme to construct 43 public conveniences was placed before the Council and approved on 4–10–1940. 2,963 building plans were disposed of during the year. 933 new buildings came into existence during the year. 183 tenements were constructed by the Corporation for housing the poor in different parts of the city. 20,334 old houses were inspected. 3,070 defective houses were rendered fit for human habitation. 503 insanitary cattle yards were improved. As an anti-rabic measure, 15,654 dogs were electrocuted. 20 ponds and 197 wells were filled up. In addition, low-lands near the Record Office in Egmore, in Conran Smith Nagar, at the Slaughter Houses, in the Mylapore burial ground and in the Perambur tank were reclaimed.

Conservancy of the city continued to be maintained in a satisfactory state. Over 2,000 cart-loads of garbage were collected daily for disposal as against 1,500 cart-loads in 1939. Every public street and lane was conserved twice daily. In industrial and business areas night conservancy, in addition to the usual cleaning done by day, was specially arranged. Arrangements were also inforce throughout the year for picking up and removing street rubbish in important thoroughfares between 11 a.m. and 2 p.m. In spite of the great care taken to ensure efficient conservancy in the city, it has to be admitted that many congested parts of the city present an untidy appearance. People continue to throw rubbish after the carts have passed and children are made to foul the streets at all hours of day and night. Unless the public co-operate with the department more effectively, conservancy cannot reach the required level of efficiency.

The sanitation of private markets was the subject of much anxious consideration throughout the year. The problem is not so easy as it may appear on the surface. There are 42 private markets interspersed throughout the city. Some of them are large yielding a good revenue. While in most of them the elements of sanitation such as drainage, water supply, impervious flooring, latrines, gangways and passages do exist, not one of them is up-to-date, except the new market in Strahans Road. Most of them were constructed several decades ago, and they are frequented by large number of persons. Some are held by joint ownership while some are trust properties. A few are under the management of the mortgagees, receivers and court officials. Legal difficulties stand in the way of effecting reforms quickly. Closure of private markets on sanitary grounds is more a theoretical proposition than a practical administrative measure. The poor vendors occupying the markets will only squat in public streets if they are made to go out of them. Again, the local population prefer to get their requirements from a near place rather than to take the trouble of going to a sanitary market located some distance away. Strahans Road market mentioned above is an illustration. Private owners look more to their own profit than to sanitation. I cannot think of an easier solution for this problem than bringing all the markets under the ownership of the Corporation and improving them gradually.

The Kothwal Bazaar is a separate proposition. A substantial portion of the revenue from this market is utilised for charities. This is not fair. The income of this large market is drawn from the citizens and their interests should be the first and main consideration of the trust authorities. There is no use of making piece-meal improvements of a temporary nature. The buildings are very old structures with low gabled roofs. They should be pulled down and reconstructed on modern lines with spacious, terraced and rat-proof stalls. Trustees are not likely to do all these. If possible, the Corporation should take over this vast concern in public interest.

An interesting feature of the year under report was the inauguration of the Pundi Reservoir Scheme by His Excellency the Governor of Madras on 8th August 1940 for providing a continuous high pressure supply of water at all hours of day and night. A reservoir and a regulator are under construction. When they are completed in 1944, one aspect of the city water supply problem would be solved and the city assured of sure and copious supply of water in normal and abnormal years.

Another problem connected with the water supplied concerns its physical qualities such as colour, odour, taste and suspended matter. The "safe" water that is being supplied should be entirely devoid of colour, odour, taste and suspended matter to appeal to the lay mind. No improvement in this direction is possible without a radical change in the method of purification. The scheme approved by the Council at a cost of 17·5 lakhs for introducing rapid filters is awaiting the sanction of the Government.

In conclusion, I wish to record my appreciation of the hard and loyal services rendered by my assistants and staff.

C. S. GOVINDA PILLAI,
M. B. CH. B., L. R. C. P. & S., D. P. H. (Edin.)
Health Officer.

26-9-1941.

Forwarded to the Council.

* * *

* * *

O. PULLA REDDI,
Commissioner.

30-9-1941.

(True Extract)

SUMMARY OF VITAL STATISTICS FOR 1940

Area ...	...	29·396 sq. miles
Population (Census 1931)...	...	6,47,230
Population (estimated to the middle of the year 1940) ...	...	7,68,798
Average density per acre.	...	40·9
Inhabited houses (Census 1931) ...	...	73,845
Births ...	...	33,238
Birth-rate ...	...	43·23 per 1,000 estimated population.
Birth-rate (average for the previous 5 years 1935-39) ...	...	41·82 „
Still-births ...	...	1,403
Deaths ...	...	26,125
Death-rate ...	...	33·98 per 1,000 estimated population.
Death-rate (average for the previous 5 years 1935-1939) ...	...	35'39 „
Natural increase ...	...	7,113
Infantile deaths ...	...	6,837
Infantile mortality rate...	...	205·70 per 1,000 live-births.
Infantile mortality rate (average for the previous 5 years 1935-1939) .	...	224·98 „
Maternal mortality rate ...	...	7·94 „
Maternal mortality rate (average for the previous 5 years 1935-1939)...	...	9·16 „

DEATHS FROM PRINCIPAL DISEASES

Diseases	Number of deaths.	Rate per 1,000 estimated population.
Diarrhoea and dysentery ...	3,352	4·36
Small-pox ...	31	0·04
Malaria ...	29	0·04
Enteric fever ...	125	0·16
Phthisis ...	866	1·13
Respiratory diseases ...	6,016	7·83

VITAL STATISTICS

The salient features of the state of public health in the city of Madras during 1940 as revealed by the statistical records of births and deaths may be summarised as follows:—

1. Increase in the birth-rate from 48·92 in 1939 to 51·35 per 1,000 of the census population and from 41·34 in 1939 to 43·23 per 1,000 of the estimated population.

2. Decrease in the death-rate from 46·05 in 1939 to 40·36 per 1,000 of the census population and from 38·92 in 1939 to 33·98 per 1,000 of the estimated population.

3. Decrease in the infantile mortality rate from 241·62 in 1939 to 205·70 per 1,000 of the births registered—the rate for the year being the lowest on record.

The year under report was an exceptional one being free from epidemics. There was a marked reduction in mortality from almost all the diseases. Not a single death occurred from cholera.

Rainfall:—The total rainfall was 52·20 inches—18·58 inches more than the rainfall in the preceding year and 10·99 inches more than the average rainfall during the previous five years ending 1939.

The climatic conditions recorded during 1940 are furnished in Annual Form A in the appendix.

Area and population:—The area of the city is 29·396 sq. miles with a population of 6,47,230 according to the census of 1931. 10 years have passed since the last census and it is incorrect to work out the birth and death rates on the figures of the last census without taking into consideration the growth of the population. Such rates will not give a true picture of the state of public health. Hence it is very essential that the rates for any intercensal year should be calculated on the estimated mid-year population.

The mid-year population for 1940 is estimated to be 7,81,574 applying the method of geometrical progression. But the recent census of 1941 has recorded a population of 7,77,481. By applying the rate at which the population has increased annually between the two census enumerations in 1931 and 1941 the population for the mid-year 1940 ought to have been 7,68,798. It is this figure that is made use of in calculating the important rates in the report. The rates in the various statistical tables appended to the report are based on the 1931 census population.

The statements appended to this report do not contain the divisional rates for want of the total population of each of the 40 municipal divisions. Registration of births and deaths is compulsory in the city and this is done by a staff of 17 medical men. During the year 94 unregistered births and 133 unregistered deaths were detected and registered by the staff.

Births:—The total number of births registered during the year was 33,238 *i. e.*, 1,573 births more than in the preceding year and 2,472 births more than the average for the five years 1935–39. A steady increase in the number of births from 1932 will be noticed in the statement of births and deaths on page 4. The number of births registered during the year under report is the highest in the vital statistical records of the city.

Calculated on the estimated mid-year population, the birth-rate was 43·23 as against 41·34 in 1939, the average rate of the previous five years (1935–39) being 41·82.

The birth-rate, calculated on the census population, is given in Annual Form No. I appended to this report. It was 51·35 per mille as against 48·92 in 1939 and 47·53 being the quinquennial (1935–39) average.

Of the total births, 16,956 were males and 16,282 were females, *i. e.*, 104 male births to every 100 female births. Excess of male births over female births was recorded in 26 municipal divisions.

Illegitimate births:—The number of illegitimate births registered during the year was 112 or 0·34% of the total births as compared with 94 or 0·30% in 1939.

The seasonal distribution of births during the year was as follows:—

		Births.		Percentage of quarterly births to total births.
1st quarter.	January	2,379	7,245	21·8
	February	2,281		
	March	2,585		
2nd quarter.	April	2,929	8,308	25·0
	May	2,783		
	June	2,596		
3rd quarter.	July	2,776	8,790	26·4
	August	3,097		
	September	2,917		
4th quarter.	October	2,656	8,895	26·8
	November	3,340		
	December	2,899		
	Total ...		33,238	100·0

A comparative statement of the births registered in each quarter of 1939 and 1940 and of the quarterly averages for the quinquennium (1935–39) is furnished below :—

	1st quarter.	2nd quarter.	3rd quarter.	4th quarter.
1935–39(average)	6,212	7,442	8,465	8,647
1939.	6,012	7,376	9,221	9,056
1940.	7,245	8,308	8,790	8,895

The 1st and the 4th quarters recorded the lowest and the highest number of births respectively. This is a feature that is usually observed.

The birth-rates in the chief communities are as follows:—

Community.	No. of births registered.	Rate per 1,000 census population in each community.
European	34	9·49
Anglo-Indian	386	36·22
Indian Christian	15,59	39·09
Hindu	28,115	54·05
Muhammadan	3,144	44·89
All communities	33,238	51·35

The birth-rate was highest among the Hindu community. The European community recorded the lowest—Table C in the appendix.

Still-births:—The number of still-births was 1,403 as against 1,402 in 1939. This represented 42·18 for 1,000 live-births as compared with 44·28 in the preceding year.

Deaths:—The total number of deaths registered during 1940 was 26,125 *i.e.*, 3,683 deaths less than in the preceding year and 49 deaths more than the average number of deaths for the previous five years ending 1939.

Calculated on the estimated mid-year population, the death-rate was 33·98 as compared with 38·92 in 1939, the average rate for the previous years (1935–39) being 35·39

The total mortality includes the deaths of 1,276 persons who came for treatment and died in the various hospitals, clinics, etc., in the city, of 185 persons who came into the city for some purpose or other and died in the divisions, of 247 beggars and destitutes who had no definite place of abode and died at the hospitals and 346 who died in the divisions and of 1,533 children under one year of age who were born in mofussil areas and died in the city during the year under report. If the system of transference of deaths had been in vogue, the city could well have had the benefit of excluding a large number of deaths of non-residents from its vital statistics.

Calculated on the census population the death-rate was 40·36 per mille as against 46·05 in 1939, the average rate for the quinquennium (1935–39) being 40·29— Annual Form III in the appendix.

An excess of 7,113 births over deaths was recorded as against 1,857 in the preceding year. In no year was such a large excess of births over deaths recorded. The rate of natural increase was 9·25 per mille of the estimated mid-year population as against 2·42 in 1939.

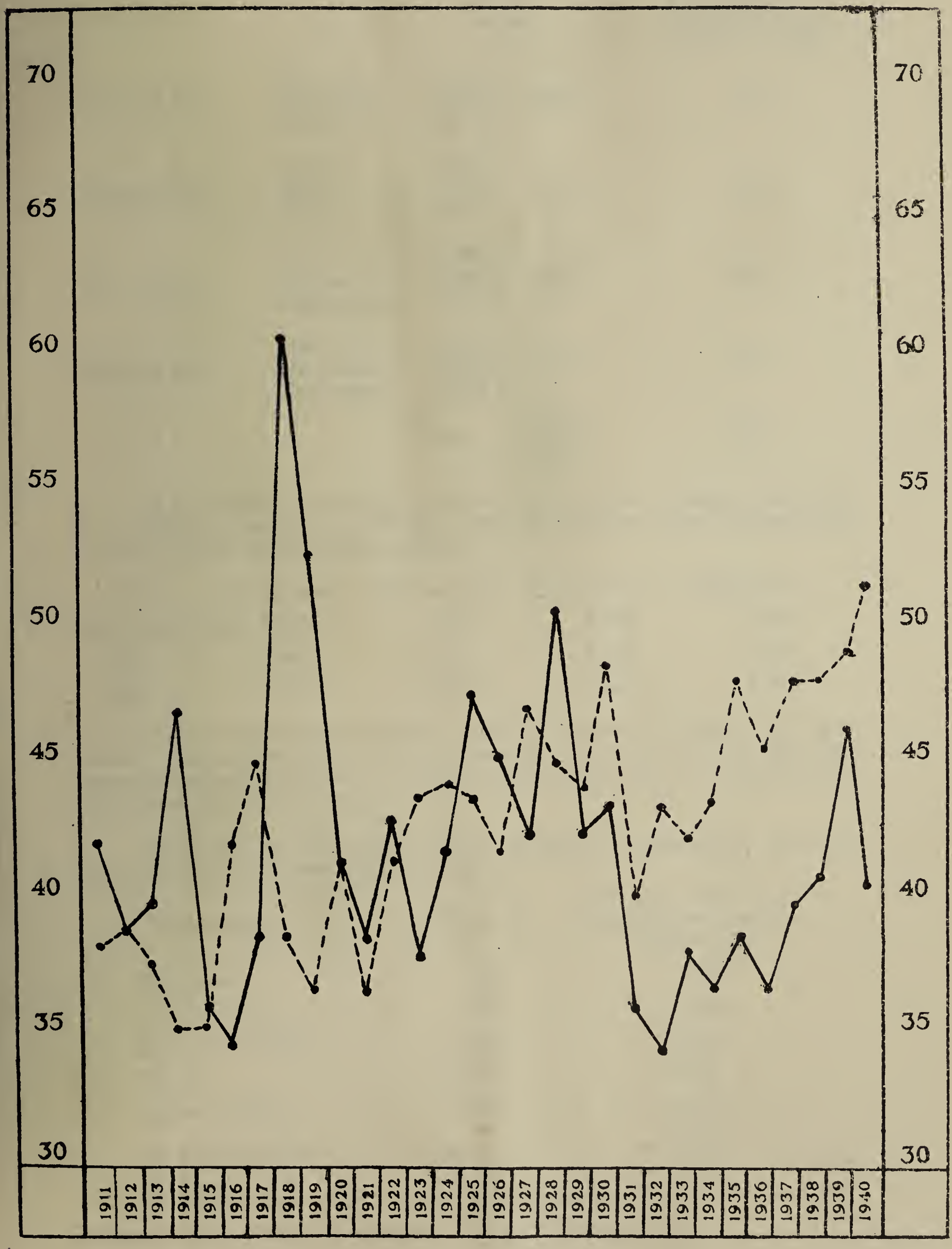
A statement of births and deaths recorded in the city from 1911 is furnished below with special reference to the excess of births over deaths. It will be seen that this excess is being continuously recorded from 1929.

Year.	Births.	Deaths.	Natural increase (+) or decrease (−)
1911	19,735	21,771	−2,036
1912	20,099	20,132	−33
1913	19,470	20,675	−1,205
1914	18,241	24,174	−5,933
1915	18,331	18,688	−357
1916	21,675	17,872	+3,803
1917	23,296	19,917	+3,379
1918	19,897	31,262	−11,365
1919	18,936	27,187	−8,251
1920	21,396	21,418	−22
1921	19,187	20,268	−1,081
1922	21,650	22,475	−825
1923	22,975	19,933	+3,042
1924	23,275	21,960	+1,315
1925	23,070	25,000	−1,930
1926	22,000	23,776	−1,776
1927	24,760	22,364	+2,396
1928	23,729	26,715	−2,986
1929	23,124	22,415	+709
1930	25,662	22,839	+2,823
1931	25,738	23,162	+2,576
1932	27,996	22,290	+5,706
1933	28,533	24,500	+4,033
1934	28,149	23,659	+4,490
1935	31,031	24,955	+6,076
1936	29,189	23,660	+5,529
1937	30,958	25,674	+5,284
1938	30,985	26,282	+4,703
1939	31,665	29,808	+1,857
1940	33,238	26,125	+7,113

During the year 37 municipal divisions recorded excess of births over deaths as against 29 municipal divisions in the preceding year.

CITY OF MADRAS
BIRTH AND DEATH-RATES 1911-40

RATE PER 1,000 POPULATION (CENSUS)



BIRTH-RATE

DEATH-RATE

LITHO BY SOLDEN & CO., MADRAS.

Age and sex distribution of deaths :—Of the total deaths registered during the year, 13,177 deaths were among males and 12,948 deaths among females. As usual male deaths predominated over female deaths. There were 102 male deaths for every 100 female deaths—same as in the preceding year. Excess of male deaths over female deaths was recorded in 17 municipal divisions.

The specific death-rate of males and females was 38·62 and 42·31 per mille of the census population respectively.

The statement furnished below gives the number of deaths, death-rate per mille of the census population and the percentage of deaths to the total mortality in each of the age-periods.

Age-period.	Number of deaths.	Rate per 1,000 census population in each age-period.	Percentage to total deaths.
Under 1 year	6,837	205·70*	26·17
1 to 5 years	4,110	66·94	15·73
5 to 10 years	832	11·96	3·19
10 to 15 years ...	402	6·08	1·54
15 to 20 years ...	662	9·80	2·53
20 to 30 years ...	2,197	15·66	8·41
30 to 40 years ...	2,006	18·96	7·68
40 to 50 years	2,004	30·37	7·67
50 to 60 years ...	1,961	55·21	7·51
60 years and above...	5,114	236·72	19·57
Total ...	26,125	40·36	100·00

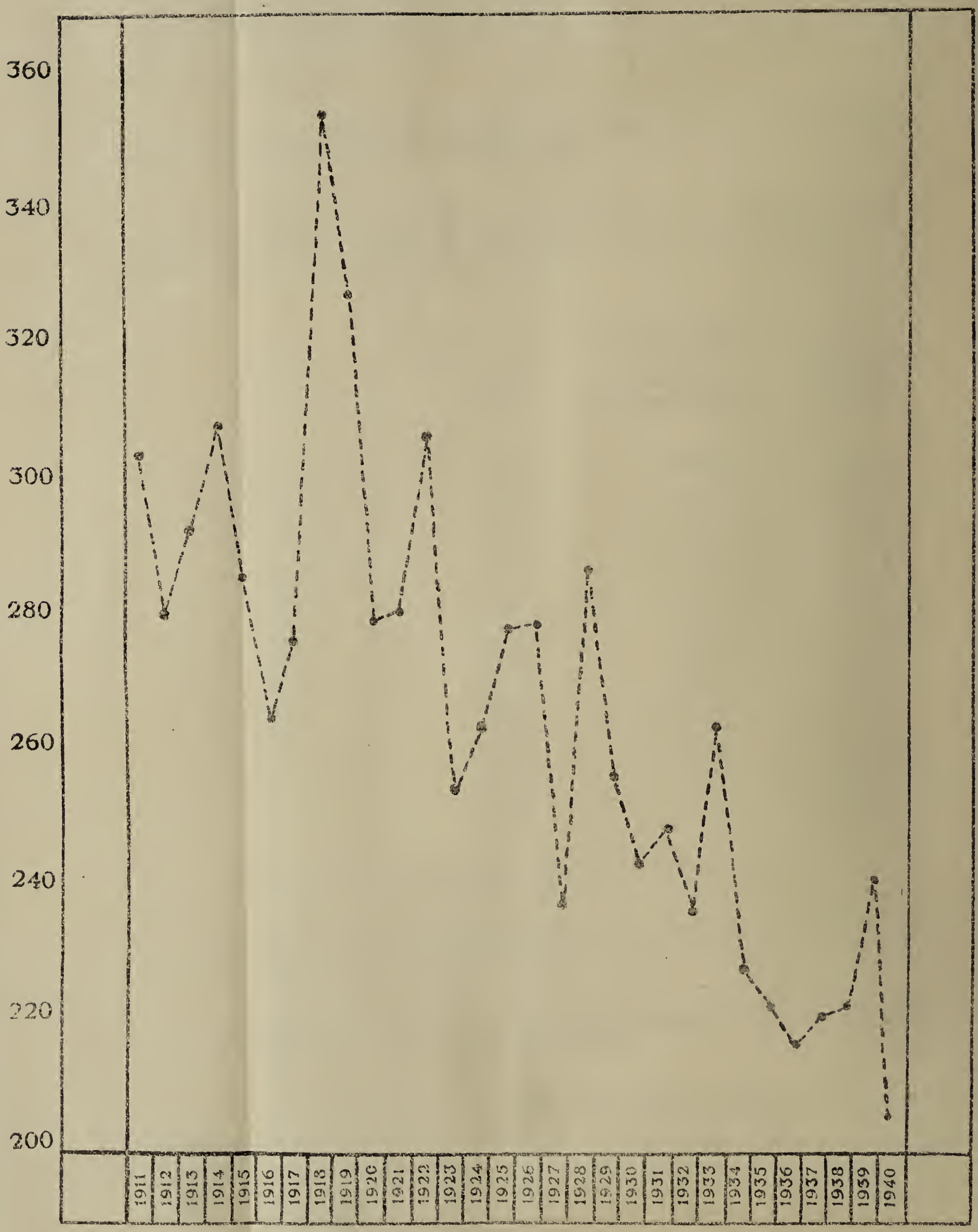
*Calculated on 1,000 live-births registered during the year.

The highest rates are recorded in the two extremes of life and the lowest in the age-period of 10 to 15 years

Annual Form No. VI furnishes the death-rates according to sex and age-periods calculated on the census population.

Infantile mortality :—There were 6,837 infantile deaths during the year, giving an infantile mortality rate of 205·70 per 1,000 live-births compared to 7,651 infantile deaths with a rate of 241·62 in the preceding year, the rate for the past five years (1935–39) being 224·98. Of these 6,837 infantile deaths 5,304 deaths occurred among infants born in the city and 1,533 deaths among infants born in the mofussil. Infantile deaths accounted for 26·17% of the total mortality.

CITY OF MADRAS
INFANTILE MORTALITY RATES 1911-40



LITHO BY SOLDEN & CO., MADRAS

The infantile mortality rates recorded in the city from 1910 to 1940 are set forth in the statement below :—

Year.	Rate per 1,000 live-births.	Average for 10 years.
1910	294·1	
1911	305·4	
1912	280·4	
1913	293·4	
1914	308·9	299·5
1915	286·1	
1916	265·1	
1917	277·3	
1918	355·2	
1919	329·0	
1920	279·3	
1921	281·9	
1922	308·0	
1923	254·0	
1924	264·1	
1925	278·8	272·6
1926	279·3	
1927	237·6	
1928	286·8	
1929	256·6	
1930	243·9	
1931	248·3	
1932	236·5	
1933	264·3	
1934	228·2	234·6
1935	223·9	
1936	216·5	
1937	220·8	
1938	222·1	
1939	241·6	
1940	205·70	

It is gratifying to note that the infantile mortality rate of 205·70 recorded during the year under report is the lowest ever recorded till now in the vital statistics of the city. It is 35·9 less than the rate of the preceding year 1939 and 28·9 less than the average rate for the previous 10 years 1930–39.

Age and causes of infant deaths:—The following statement furnishes the principal causes of infant deaths under different age-periods.

Age-periods.	Small-pox.	Measles.	Other fevers.	Diarrhoea and dysentery.	Premature birth	Debility.	Nervous system (including convulsions).	Respiratory diseases.	Other causes.	Total.	Percentage of deaths to total infantile deaths.
Under 7 days.	....	...	7	10	1,196	5	46	7	159	1,430	20·9
7 days and under one month. ...	....	...	10	32	658	19	50	31	120	920	13·4
1 month and under four months. ...	....	...	44	207	225	126	185	564	191	1,542	22·5
4 months and under seven months.	1	...	52	241	4	51	98	674	121	1,242	18·2
7 months and under ten months.	...	1	44	242	1	29	55	585	138	1,095	16·0
10 months and under one year.	...	....	35	113	...	15	23	349	73	608	9·0
Total	1	1	192	845	2,084	245	457	2,210	802	6,837	100·0

34·3% of the infant deaths occurred within one month of life.

Infant deaths by months:—Table E in the appendix gives in detail the number of infant deaths and infantile mortality rates according to months as compared with the figures for 1939. The rate was highest in December (305·3) and the lowest in March (152·0.)

Infantile mortality rates in divisions:—The number of births and the number of infantile deaths registered in the 40 divisions with the infantile mortality rates per 1,000 live-births are given in the statement on the next page.

Municipal division.	No. of births registered.	No. of infant deaths.	Infantile mortality per 1,000 live-births.
1	689	171	248·2
2	655	111	169·5
3	1,647	321	194·9
4	1,426	340	238·4
5	1,415	324	228·9
6	419	103	245·8
7	687	156	227·1
8	300	58	193·3
9	600	137	228·3
10	401	79	197·0
11	748	150	200·5
12	340	69	202·9
13	1,153	236	204·7
14	742	153	206·2
15	350	81	231·4
16	464	121	260·7
17	1,344	306	227·7
18	854	204	238·9
19	1,407	305	216·7
20	863	188	217·8
21	950	226	238·0
22	723	105	145·2
23	971	190	195·7
24	538	101	187·7
25	904	206	227·8
26	869	169	194·4
27	1,014	129	127·2
28	736	136	184·8
29	519	84	161·9
30	815	162	198·8
31	1,074	227	211·4
32	1,023	157	153·5
33	696	152	218·4
34	675	152	225·2
35	1,735	376	216·7
36	844	147	174·2
37	936	190	202·9
38	667	109	163·2
39	593	104	175·4
40	452	102	225·7
Total	 33,238	6,837	205·7

The infantile mortality rate was highest in the 16th division (260·7) and lowest in the 27th division (127·2). 20 municipal divisions returned rates less than the annual infantile mortality rate for the whole city (205·7). As compared with the preceding year,. 35 municipal divisions recorded decrease in the infantile mortality rate during the year under report.

Infantile mortality rates in communities:—The infantile mortality rates in the principal communities during 1940 are as follows :—

Community.	Births registered.	Infant deaths.	Rate per 1,000 live-births registered in each community.
European ...	34	1	29·41
Anglo-Indian	386	41	106·22
Indian Christian ...	1,559	257	164·85
Hindu	28,115	5,773	205·34
Muhammadan ...	3,144	765	243·32
All communities ...	33,238	6,837	205·70

The Muhammadan community returned the highest infantile mortality rate.

The births, infant deaths and infantile mortality rates in the principal sub-castes of the Hindu community for 1940 are set forth in the table below :—

Caste.	Births in each caste.	Infant deaths in each caste.	Rate per 1,000 births in each caste.
Brahmin ...	2,397	355	148·10
Chetty ...	1,874	422	225·19
Vellala or Mudaliar ...	3,388	713	210·45
Balija or Naidu ...	2,317	518	223·56
Vanniar or Naickar ...	4,149	979	235·96
Adi-Dravida ...	3,794	903	238·00
Patnavar	494	139	281·38
Yadaval or Edayar ...	880	196	222·73
Viswakarma Brahmin or Kammalar	727	155	213·20
Others	8,095	1,393	172·01
Total	28,115	5,773	205·34

Principal causes of deaths:—A comparative table showing the principal causes of deaths in 1939, 1940 and the quinquennium (1935–39) is set forth below:—

Causes of deaths.	Average No. of deaths during the previous 5 years 1935-39.	No. of deaths in 1939.	No. of deaths in 1940.	Increase or decrease in 1940 as compared with 1939.
Cholera	111	2	....	−2
Diarrhoea & dysentery	2,519	3,624	3,352	−272
Small-pox	217	268	31	−237
Measles	6	—	2	+2
Malaria	90	43	29	−14
Enteric fever	150	187	125	−62
Other fevers	2,086	2,108	1,918	−190
General respiratory diseases	6,519	7,166	6,016	−1150
Tuberculosis	1,240	1,400	1,064	−336
Deaths from child birth	281	245	264	+19
All other causes including deaths from injuries	12,857	14,765	13,324	−1441
Total	26,076	29,808	26,125	−3,683

The general mortality shows a distinct reduction by 3,683 deaths over that of the preceding year and there has been a decrease in almost all the causes of deaths. The mortality figures for 1940 compare also favourably with the average figures for the past five years 1935-39.

The causes of deaths are discussed in detail below :—

Cholera:—Only one attack and no death was recorded during the year as against 6 attacks and 2 deaths in the preceding year, the average number of attacks and deaths from cholera during the past 5 years (1935–39) being 336 and 111 respectively. This is the first year in which no death has been recorded in the city's vital satistics. 480 persons were inoculated against the disease during the year under report.

The mortality from cholera for a period of 10 years from 1931 is given below :—

Year.	Deaths.
1931	153
1932	5
1933	62
1934	166
1935	145
1936	140
1937	232
1938	36
1939	2
1940	Nil

Diarrhoea and dysentery:—Diarrhoea and dysentery accounted for 3,352 deaths *i.e.*, 272 deaths less than in the preceding year. The death-rate was 4·36 per mille of the estimated population as against 4·73 in 1939 and 3·41 being the quinquennial (1935–39) average.

Calculated on the census population the death-rate was 5·18 as compared with 5·60 in 1939, the average rate for the previous 5 years (1935–39) being 3·89. Diarrhoea and dysentery accounted for 12·8% of the total mortality.

The mortality from diarrhoea and dysentery for a period of 10 years from 1931 is as follows :—

Year.	Deaths.	Year.	Deaths.
1931	2,746	1936	2,208
1932	2,644	1937	2,133
1933	2,670	1938	2,308
1934	2,008	1939	3,624
1935	2,320	1940	3,352

The seasonal incidence was as follows :—

Quarter.	Deaths.
1st quarter.	742
2nd ,,	774
3rd ,,	747
4th ,,	1,089
	3,352

Annual Form No. XIV furnishes figures regarding deaths in the various municipal divisions.

Small-pox:—98 attacks and 31 deaths were recorded during the year as against 992 attacks and 268 deaths in the preceding year. Of these, 31 attacks and 7 deaths were imported and 25 attacks and 9 deaths were cases that were admitted into the Corporation Isolation Hospitals for isolation and treatment from outside the city. The remaining 42 attacks and 15 deaths were those that actually occurred among the residents.

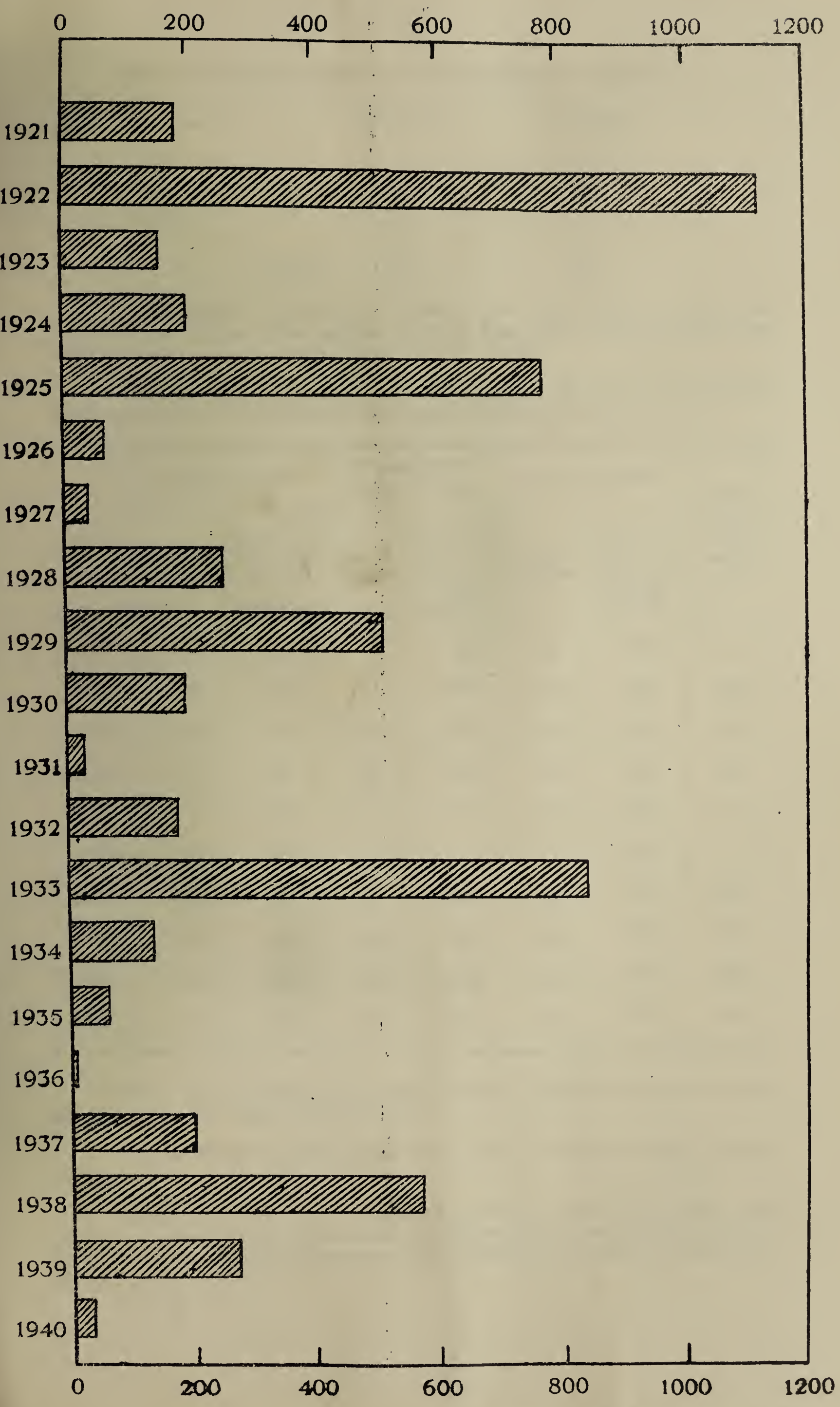
31 deaths from small-pox registered during the year under report give a death-rate of 0·04 per mille of the estimated population as compared with 0·35 in 1939, the quinquennial (1935–39) average being 0·29. The number of deaths from small-pox accounted for 0·1% of the total mortality.

Calculated on the census population the death-rate was 0·05 as against 0·41 in the preceding year, the average rate for the previous 5 years (1935–39) being 0·34.

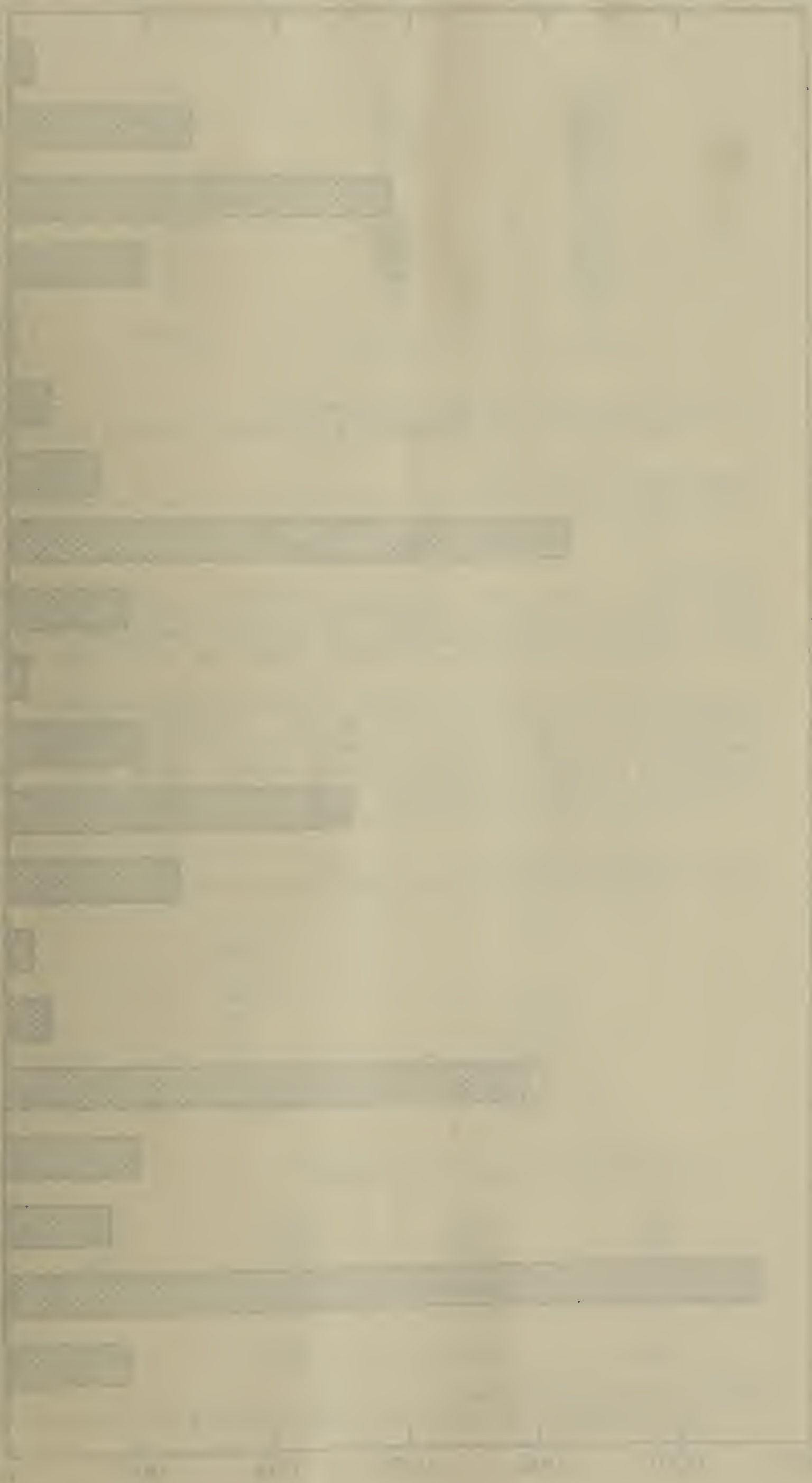
The statement of the incidence of small-pox recorded in the city for a period of 10 years from 1931 is given below :—

Year.	Attacks.	Deaths.
1931	109	24
1932	842	176
1933	3,503	837
1934	638	131
1935	295	59
1936	37	3
1937	756	196
1938	2,110	561
1939	992	268
1940	98	31

DEATHS FROM SMALL-POX 1921-40



LITHO BY SOLDEN & CO., MADRAS.



The incidence during the year was recorded as follows :—

Quarter.	Attacks.	Deaths.
1st quarter	39	12
2nd ,,	18	10
3rd ,,	26	5
4th ,,	15	4
Total	98	31

26 municipal divisions returned cases. Of these 12 divisions recorded no deaths. The highest number of attacks (15) occurred in the 34th division.

The following statement furnishes the distribution of mortality from small-pox in the different age-periods during the past ten years :—

Year.	Under 1 year.		1 year and under 10 years		Above 10 years.		Total deaths from small-pox.
	No. of deaths.	Percentage to total deaths.	No. of deaths.	Percentage to total deaths.	No. of deaths.	Percentage to total deaths.	
1931	3	12·5	2	8·3	19	79·2	24
1932	32	18·2	34	19·3	110	62·5	176
1933	143	17·1	220	26·3	474	56·6	837
1934	17	13·0	22	16·8	92	70·2	131
1935	6	10·2	9	15·2	44	74·6	59
1936	1	33·3	....	...	2	66·7	3
1937	15	7·7	41	20·9	140	71·4	196
1938	46	8·2	127	22·6	388	69·2	561
1939	31	11·6	49	18·3	188	70·1	268
1940	1	3·2	6	19·4	24	77·4	31

97% of the total cases were hospitalised. The infected houses were disinfected and contacts re-vaccinated.

Annual Form No. VIII gives the number of deaths in the various divisions.

Vaccinations and re-vaccinations performed during the year are given in a separate report. The number of cases isolated and treated during the year is given in the statements of the Infectious Diseases Hospitals at the end of the report.

Measles :— 2 deaths from measles were recorded with a death-rate of 0·003 per mille of the estimated population as against no death in the preceding year, the average rate for the previous five years (1935–39) being 0·008.

Malaria :— 29 deaths were registered from malaria as compared with 43 in the preceding year. The death-rate per mille of the estimated population was 0·04 as against 0·06 in 1939, the average rate for 1935–39 being 0·13. Calculated on the census population the death-rate was 0·04 in 1940, 0·07 in 1939 and 0·14 for the quinquennium 1935–39. The deaths from malaria accounted for 0·1% of the total mortality.

18 municipal divisions returned deaths from malaria during the year. Annual Form No. XII gives the number of deaths registered in the various municipal divisions.

The mortality from malaria for a period of 10 years from 1931 is furnished below :—

Year.	Deaths.	Year.	Deaths.
1931	277	1936	113
1932	165	1937	78
1933	140	1938	50
1934	193	1939	43
1935	167	1940	29

Anti-malarial measures were carried out as usual by a special staff. A report of the work done is given separately.

Enteric fever :— 476 cases were notified during the year as against 604 cases in 1939. Of these, 125 cases proved fatal with a death-rate of 0·16 per mille of the estimated population as compared with 187 deaths or 0·23 per mille in the preceding year, the quinquennial (1935–39) average being 0·20. Deaths from enteric fever accounted for 0·5% of the total mortality.

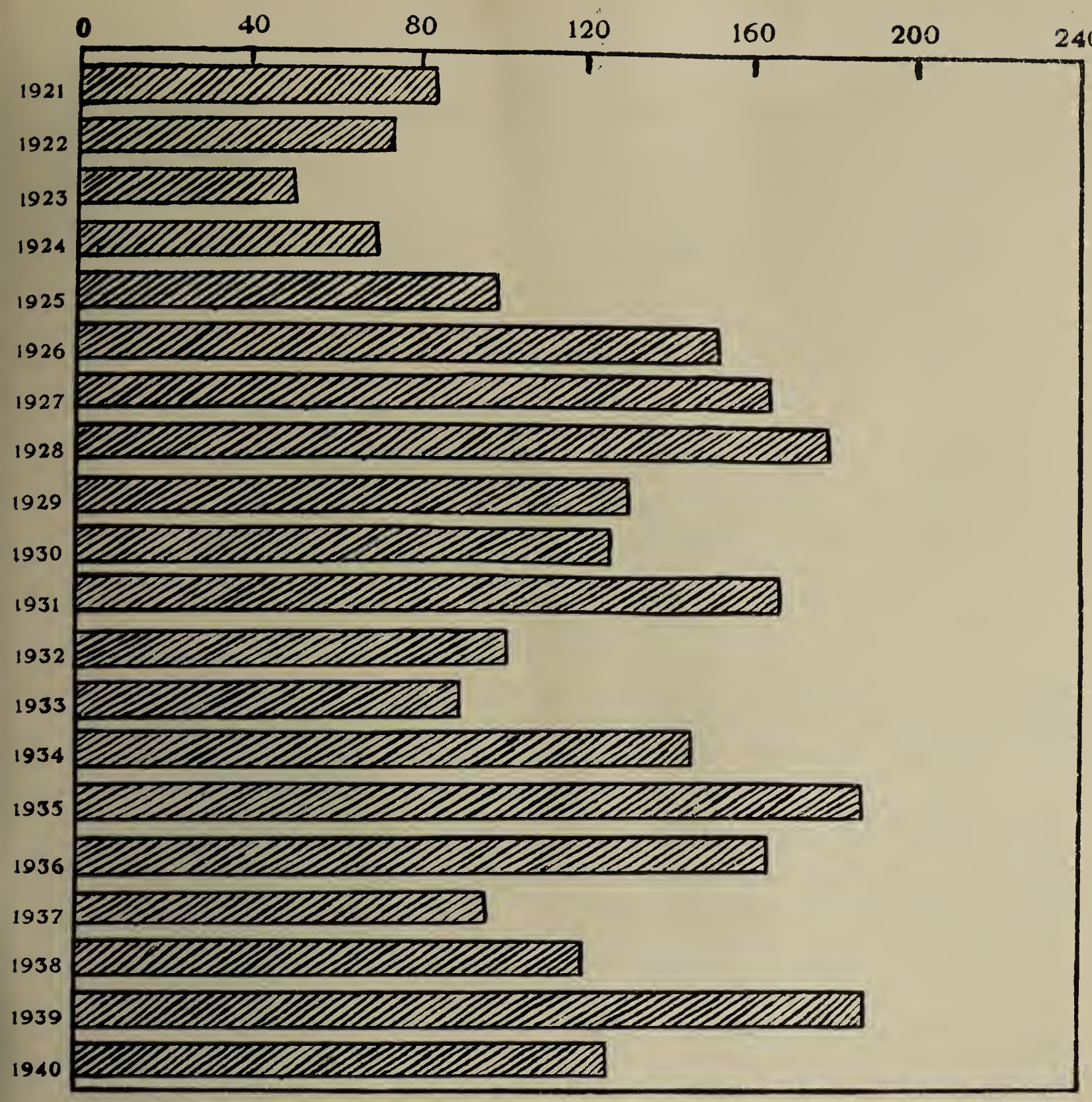
Calculated on the census population the death-rate was 0·19 per mille as against 0·29 in 1939 and 0·24 for the quinquennium 1935–39.

The mortality from enteric fever for a period of 10 years from 1931 is furnished below :—

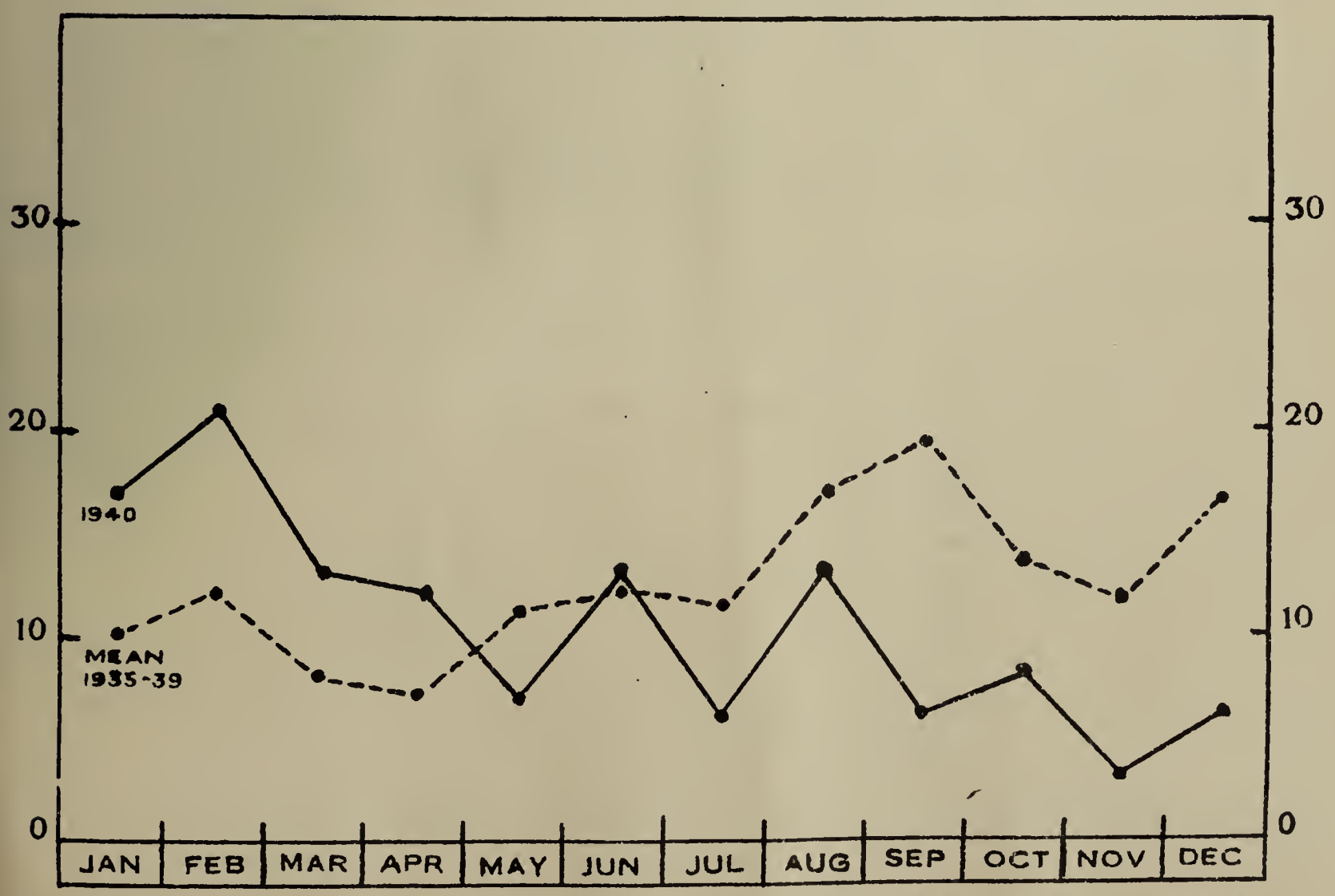
Year.	Deaths.	Year.	Deaths.
1931	166	1936	163
1932	101	1937	96
1933	90	1938	119
1934	145	1939	187
1935	186	1940	125

ENTERIC FEVER

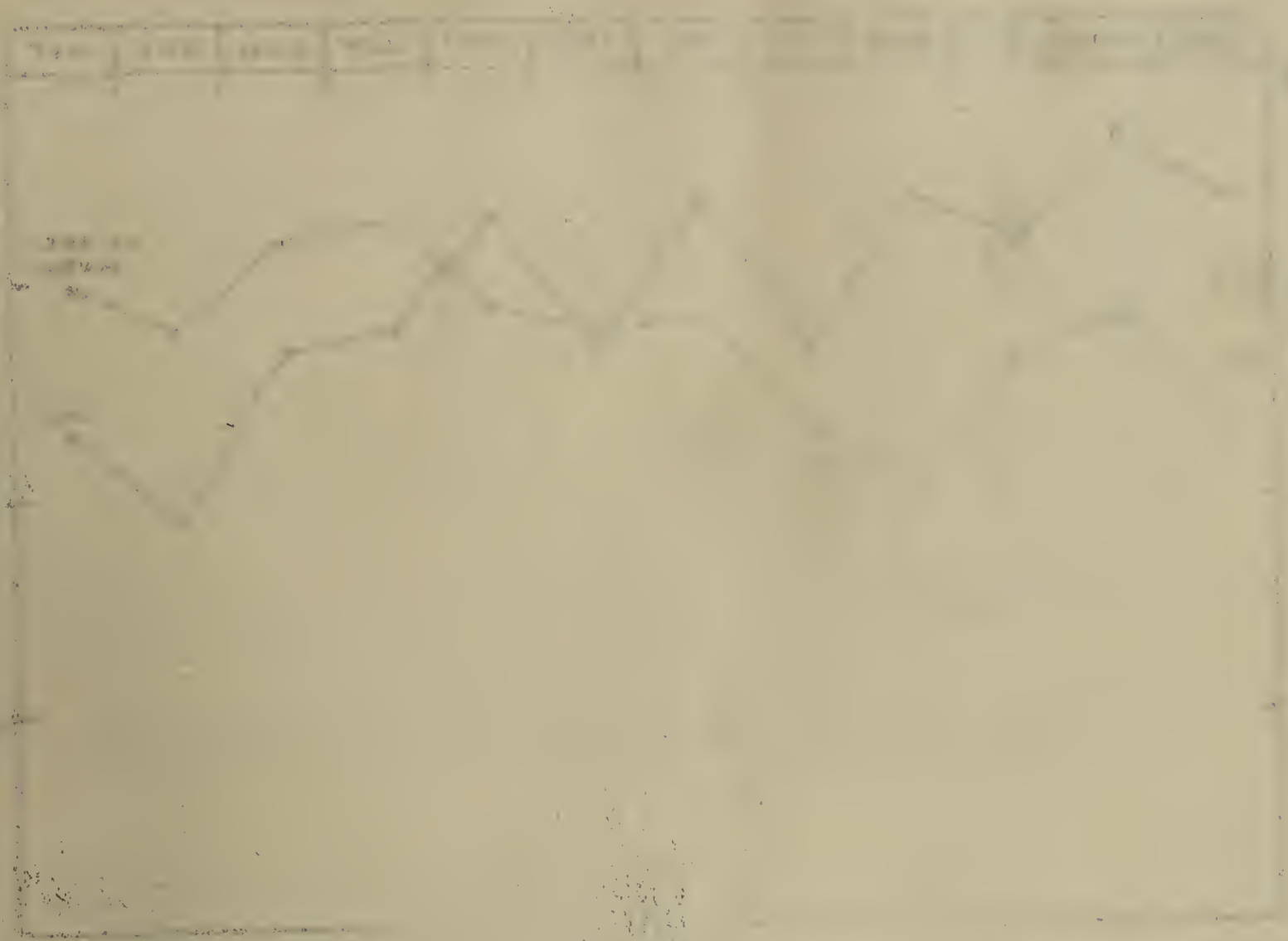
(A) DEATHS 1921-40



(B) MONTHLY DEATHS IN 1940 & MEAN MONTHLY DEATHS IN 1935-39



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The incidence of enteric fever during the different months of the year was as follows :—

Quarter.		Attacks.		Deaths.	
1st quarter	January	48	138	17	51
	February	54		21	
	March	36		13	
2nd „	April	37	117	12	32
	May	39		7	
	June	41		13	
3rd „	July	34	125	6	25
	August	39		13	
	September	52		6	
4th „	October	29	96	8	17
	November	23		3	
	December	44		6	
	Total	476		125	

Cases were reported in all the months of the year and by all the municipal divisions. But there were no deaths in divisions 1,5,7, 22 and 35. Annual Form No. XI furnishes the number of deaths recorded in the various divisions.

The prevalence of enteric fever is noticed year after year but the infection only gives rise to sporadic cases in various parts of the city. The continued presence of the infection in the city suggests the existence of "typhoid carriers" causing the dissemination of the disease. As it is not possible to detect and control them the infection is very commonly present in large and crowded cities accounting for a number of casesevery year.

Prompt action was taken to adopt preventive measures in every case that was notified. 7,010 persons were inoculated with anti-typhoid vaccine. 25 cases were isolated and treated by private medical practitioners. The other cases were hospitalized.

Other fevers :— Under this head are included deaths from causes other than malaria, tuberculosis, enteric fever, respiratory diseases with fever as the predominant symptom. 1,918 such deaths were registered as against 2,108 deaths in the preceding year with a death-rate of 2·49 per mille of the estimated population. The death-rates for 1939 and for the quinquennium (1935–39) were 2·75 and 2·84 per mille respectively. The deaths under this group accounted for 7·3% of the total mortality.

Calculated on the census population, the death-rate was 2·96 in 1940, 3·26 in 1939 and 3·23 for the previous 5 years 1935–39—Annual Form No. XIII in the appendix.

The occurrence of these deaths during the various quarters of the year was as follows :—

Quarter.	Deaths.
1st quarter	392
2nd quarter	473
3rd quarter	487
4th quarter	566
Total	1,918

General respiratory diseases :— 6,016 deaths i. e., 1,150 deaths less than in the preceding year, were registered in 1940 with a death-rate of 7·83 per mille of the estimated population as against 9·36 in 1939, the average rate for the quinquennium (1935–39) being 8·86. These deaths represented 23·0% of the total mortality.

Calculated on the census population the death-rate was 9·29 compared to 11·07 in 1939 and 10·07 for the past 5 years ending 1939.

The distribution of mortality during the quarters of the year was as follows :—

Quarter.	Deaths.
1st quarter	1,398
2nd quarter	1,429
3rd quarter	1,460
4th quarter	1,729
Total ...	6,016

The number of deaths registered in each division is given in Annual Form No. XVI.

Tuberculosis:— 1,064 deaths i. e., 336 deaths less than in the preceding year, were recorded with a death-rate of 1·38 per mille of the estimated population as against 1·83 in 1939 and 1·68 being the average rate for the past five years 1935–39. The deaths from tuberculosis accounted for 4·1% of the total mortality.

Calculated on the census population the death-rate was 1·64 per mille as against 2·16 per mille in 1939, the quinquennial (1935–39) average being 1·92.

The number of deaths due to tuberculosis of lungs was 866 or 1·13 per mille of the estimated population as compared with 1,216 deaths or 1·58 in 1939.

The mortality from tuberculosis for the past 10 years (1931–40) is furnished below :—

Year.	Deaths.	Year.	Deaths.
1931	1,020	1936	1,136
1932	917	1937	1,155
1933	1,011	1938	1,301
1934	1,122	1939	1,400
1935	1,209	1940	1,064

The number of deaths registered in the different quarters of the year was:—

Quarter.	Deaths.
1st quarter	279
2nd ,,	252
3rd ,,	256
4th ,,	277

Annual Form No. XV gives the No. of deaths registered in each of the 40 municipal divisions.

Deaths from child-birth:—264 mothers died after child-birth as against 245 in 1939. The maternal mortality rate was 7·94 per 1,000 live-births as compared with 7·74 in preceding year. The average rate for the quinquennium (1935–39) was 9·16.

The maternal mortality rate for the previous 10 years (1931–40) are set forth below:—

Year.	Rate per 1,000 live-births.
1931	11·62
1932	9·97
1933	11·60
1934	12·12
1935	9·51
1936	10·07
1937	9·34
1938	9·17
1939	7·74
1940	7·94

The rate for the previous year was the lowest recorded and the rate for the year under report comes next.

The maternal deaths registered during the year are classified below according to age-periods and causes of deaths.

Causes of deaths.	Deaths in age-periods.					Percentage to total deaths from child-birth.
	10 to 20 yrs.	20 to 30 yrs.	30 to 40 yrs.	40 years & above.	Total deaths.	
Puerperal sepsis	30	82	31	3	146	55·3
Abortion	3	7	2	...	12	4·5
Other accidents & diseases of pregnancy.	18	44	42	2	106	40·2
Total	51	133	75	5	264	100·0

Puerperal sepsis accounted for 146 deaths or 55·3% of the total maternal deaths. Calculated with reference to the births registered during the year, the death-rate from puerperal sepsis was 4·39 per 1,000 live-births as compared with 4·74 in 1939. Annual Form No. XVIII gives the maternal deaths and death-rates in the various divisions. High rates are usually noticed in the divisions containing a large percentage of poorer classes.

The statistics relating to the deaths of mothers who came under the care of the various clinics of the Corporation Child Welfare Scheme are given in a separate report by the Lady Superintendent, Corporation Child Welfare Scheme.

Deaths from 'Other Causes':—13,090 deaths i. e., 1,421 deaths less than in the preceding year, were registered under this group of causes. The death-rate was 17·03 per mille of the estimated population as against 18·95 in 1939, the average rate for the previous 5 years (1935–39) being 17·14.

Calculated on the census population, the death-rate was 20·22 per mille, the rate for 1939 and for the quinquennium (1935–39) being 22·42 and 19·50 respectively. These deaths accounted for 49·9% of the total mortality—Annual Form No. XIX in the appendix.

Certified deaths :—4,822 deaths were certified by the various hospitals in the city and 964 deaths by private medical practitioners as to the causes of deaths. The certified deaths represented 22·1% of the total deaths as compared with 23·3% in 1939. The medical officers in charge of the registration of births and deaths verified the causes of the other deaths.

Burial and burning grounds:—The divisional sanitary inspectors supervised the burial and burning grounds in the city. Out of 26,125 deaths 21,009 corpses were buried and 5,116 corpses were burnt.

VACCINATION

Staff:—17 sub-assistant surgeons designated as medical officers in charge of vaccination and registration were in charge of the vaccination work assisted by 53 vaccinators and 4 lady vaccinators. Six of these vaccinators were specially deputed to vaccinate floating population, homeless persons, etc. They formed 2 squads of 3 vaccinators in each.

The divisional vaccinators attended to the regular vaccination work. Medical officers in charge of dispensaries, medical inspectors of schools and sanitary inspectors also performed vaccinations in addition to their usual duties.

Operations:—1,92,278 vaccinations were performed during the year as against 5,41,148 in 1939. Of these, 33,292 were primary vaccinations and 1,58,986 re-vaccinations.

	1938	1939	1940
Primary vaccinations ...	34,363	36,311	33,292
Re-vaccinations ...	1,17,141	5,04,837	1,58,986
Total ...	1,51,504	5,41,148	1,92,278

A comparative statement of vaccination statistics for a period of 10 years from 1931 is furnished below:—

Year	Primary vaccinations.	Re-vaccinations.	Total.
1931	27,260	9,377	36,637
1932	27,076	21,757	48,833
1933	30,851	1,68,601	1,99,452
1934	28,233	19,805	48,038
1935	26,414	35,505	61,919
1936	27,286	15,893	43,179
1937	28,192	52,058	80,250
1938	34,363	1,17,141	1,51,504
1939	36,311	5,04,837	5,41,148
1940	33,292	1,58,986	1,92,278

The following statement furnishes the number of re-vaccinations performed by the various officials of the Corporation Health Department.

Staff.	No. of re-vaccinations performed.
Medical officers in charge of vaccination ...	10,244
Asst. vaccinators ...	82,756
Sanitary inspectors	47,598
Medical officers in charge of dispensaries ...	15,744
Medical inspectors of schools	2,644
Total	1,58,986

The system of vaccination work by blocks into which every division has been divided continued during the year. Every vaccinator and sanitary inspector was given a block and he maintained a register of *unprotected* persons for his block. Houses were regularly visited and the vaccinal condition of every in-mate was recorded. Persons without marks of re-vaccination were re-vaccinated.

During the year 34,084 houses were visited by the asst. vaccinators and 97,416 persons were found unprotected. Of these, 51,794 persons were re-vaccinated. The sanitary inspectors visited 20,549 houses and found 80,855 persons unprotected. They re-vaccinated 46,718 persons.

Persons who refused re-vaccinations could not be prosecuted as the amendments to the bye-laws relating to the enforcement of compulsory re-vaccination in the city were under consideration during the year under report.

No. of successful vaccinations:—The number of successful vaccinations for a period of 10 years from 1931 is furnished in the following statement :—

Year.	Primary vaccinations.	Re-vaccinations.	Total.
1931	27,042	1,997	29,039
1932	27,011	4,610	31,621
1933	30,692	29,591	60,283
1934	28,053	2,817	30,870
1935	26,251	3,983	30,234
1936	27,052	1,459	28,511
1937	27,997	5,261	33,258
1938	34,262	14,667	48,929
1939	35,814	60,563	96,377
1940	32,893	8,657	41,550

Success-rate:—The success-rate in primary vaccinations was 99·5 % as compared with 99·8 per cent in the preceding year. The success-rates in the municipal divisions varied from 98·6 to 100 per cent. 20 municipal divisions recorded rates above the rate of 99·5 % for the whole city ; 3 divisions recorded the same rate as that for the whole city ; 8 divisions obtained success-rate of cent per cent. The success-rate in re-vaccinations was 7·9 per cent as against 17·5 per cent in 1939.

Number of persons successfully vaccinated per 1,000 of population :—The number of persons successfully vaccinated per mille of the population was 64·2 as compared with 148·9 in the preceding year.

Infantile vaccinations:—25,080 infants under one year of age were vaccinated as against 24,741 infants in 1939. Of these, 24,827 were successfully vaccinated as compared with 24,515 in 1939.

Out of 25,080 infants vaccinated 18,835 infants were born in the city and 6,245 in the mofussil.

The number of infants under one year of age vaccinated during the past 10 years is given below :—

Year.	No. of primary vaccinations performed under one year of age.	No. of successful vaccinations.
1931	19,823	19,703
1932	18,976	18,940
1933	22,105	22,012
1934	21,034	20,931
1935	19,245	19,148
1936	19,053	18,918
1937	18,779	18,669
1938	22,441	22,399
1939	24,741	24,515
1940	25,080	24,827

The number of infants successfully vaccinated shows an improvement over the figure for the previous year and is the highest on record.

Verification of births:—32,922 births were verified for the purpose of vaccination as compared with 30,368 in 1939. 4,832 children died before they could be vaccinated. The number of children available for vaccination was 21,207. Of these, 17,088 children or 80·6% were vaccinated as against 77·2% in 1939.

Postponement of vaccination of children:—The vaccination of 1,005 children beyond one year of age was postponed for medical reasons.

Inspection of vaccinated persons:—The results of vaccinations were verified by the Health Officer, the Asst. Health Officers and the medical officers. The results of 33,057 or 99·3% of the total primary vaccinations and of 1,09,221 or 68·7% of the total re-vaccinations were verified by them.

Prosecutions:—186 persons were prosecuted for failure to get their children vaccinated and 147 were convicted. Further, 9 persons were prosecuted and 5 convicted for failure to produce their children after vaccination for verifying the results. 15 persons were prosecuted for not notifying the change of address and 13 were convicted.

As stated already, the amendments to the bye-laws for enforcing compulsory re-vaccination in the city were under consideration during the year. The amended bye-laws have been passed and brought into force from 7–4–1941. In future the enforcement of these amended bye-laws would help a great deal in maintaining a high standard of work in the prevention of small-pox in the city.

Cost of vaccination:—The cost of each successful vaccination in 1940 was Rs. 1–4–2 as compared with Re. 0–7–7 in 1939.

Vaccine lymph was supplied by the King Institute of Preventive Medicine, Guindy.

SANITATION

In the administration of the department the Health Officer was assisted by two Assistant Health Officers. The Health Officer proceeded on leave for one month in August 1940, and during this period Dr. P. Sadasivan, L.M. & S., B.S.Sc., acted as Health Officer and Dr. G. Srinivasan, B.A., M.B.B S., B.S.Sc., as the Assistant Health Officer in charge of the southern range. When the Health Officer officiated as Commissioner from 25–11–1940 to 4–12–1940 similar arrangements were made. Dr. P. Sadasivan was on leave from 1–5–1940 to 30–6–1940 and in his place Dr. G. Srinivasan acted. Dr. S. E. D Masilamani, M.B.B.S., B.S.Sc., D.P.H. (London), the other Assistant Health Officer, continued to be in charge of the northern range of the city.

Mr. V. Venkatachalam, M.A., A.I.C., continued as the Public Analyst and Mr. S. V. Ganapati, M.Sc., A.I.C., as the Water Analyst.

Five more sanitary inspectors were appointed during the course of the year.

The provisions of the Madras Public Health Act which came into force in 1939 were vigorously enforced during the year under review, especially Sections 26, 33, 39, 44, 51, 101 and 108.

Water supply:—On account of good rainfall during the year under report restrictions imposed on the supply of water to the city were relaxed to a great extent. Quality of water continued to be the same as in the previous year. It is hoped that the proposal to instal rapid filters will fructify ere long. A report on the analysis of water will be found on page 44. 40 public fountains were erected in the city during the course of the year.

Sewerage :—During the year under report 43,599 ft. of new sewers were laid as against 94,454 ft. laid in the preceding year. With the laying of 15,877 ft. in Royapettah, and 9,448 ft. in Nungambakkam, 90 per cent of these areas came to be sewered. The total length of sewers laid up to the end of the year was 15,04,725 ft.

3,049 flush-out latrines were installed in private houses as against 3,340 in the previous year. There was appreciable progress in the provision of modernised public conveniences. During the year 7 public conveniences were completed and 8 were under construction. The public convenience in Arrack Godown Street, Royapettah, was fitted with a deep well pump to the bore well and the public convenience at Pappu Masthan Dhurga was installed with a special type of Myer's double acting lift and force pump. The number of public conveniences opened to the public is given in the report on conservancy. A list of 43 sites selected for a further programme of construction of public conveniences in the city was placed before the Council and approved on 4–10–1940.

Housing :—933 new houses came into existence during the year. Of these, 786 houses were provided with flush-out latrines and the rest were built in unsewered areas.

The number of plans for the construction and reconstruction of buildings received during the year was 2,963 as against 2,687 in the preceding year. Of these, 806 were rejected for sanitary reasons. In the case of 1,454 plans of buildings in sewered areas, provision of the flush-out type of latrines was insisted upon.

20,334 houses were inspected as a routine measure and the following defects were noticed:—

(1) Want of proper drainage in 795 houses.

(2) Want of sufficient latrine accommodation in 637 houses.

(3) Defective water supply in 506 houses.

(4) Bad ventilation in 954 houses.

(5) Miscellaneous defects in 1,691 houses.

3,733 notices were issued and 349 prosecutions instituted for the rectification of these defects. As a result of this action taken by the staff 3,070 houses were improved. Complaints of nuisance necessitated the inspection of 1,242 houses. For the purpose of detecting cases of infectious diseases and of *unprotected* persons the sanitary staff had to inspect 22,576 houses.

30 tenements in Chellappa Mudaly Street, 80 in Bogipalayam, 11 in Palmyra Kuppam, 40 in Ennore Road and 22 in Seni Amman Koil Street were constructed and 56 tenements were under progress in Nariangadu.

Factories:—At the beginning of the year there were 145 factories in the city. The two Assistant Health Officers, being additional Inspectors of Factories under the Factory Act, inspected the factories. Their reports were forwarded to the Chief Inspector of Factories for taking necessary action.

Offensive trades:—7,434 applications were dealt with during the year; 6,772 were sanctioned; 473 were refused and 189 were pending at the end of the year. A statement relating to these trades will be found in the appendix. 733 persons were prosecuted for carrying on offensive trades without licence. 256 lincencees were prosecuted for not observing the conditions of licences granted to them.

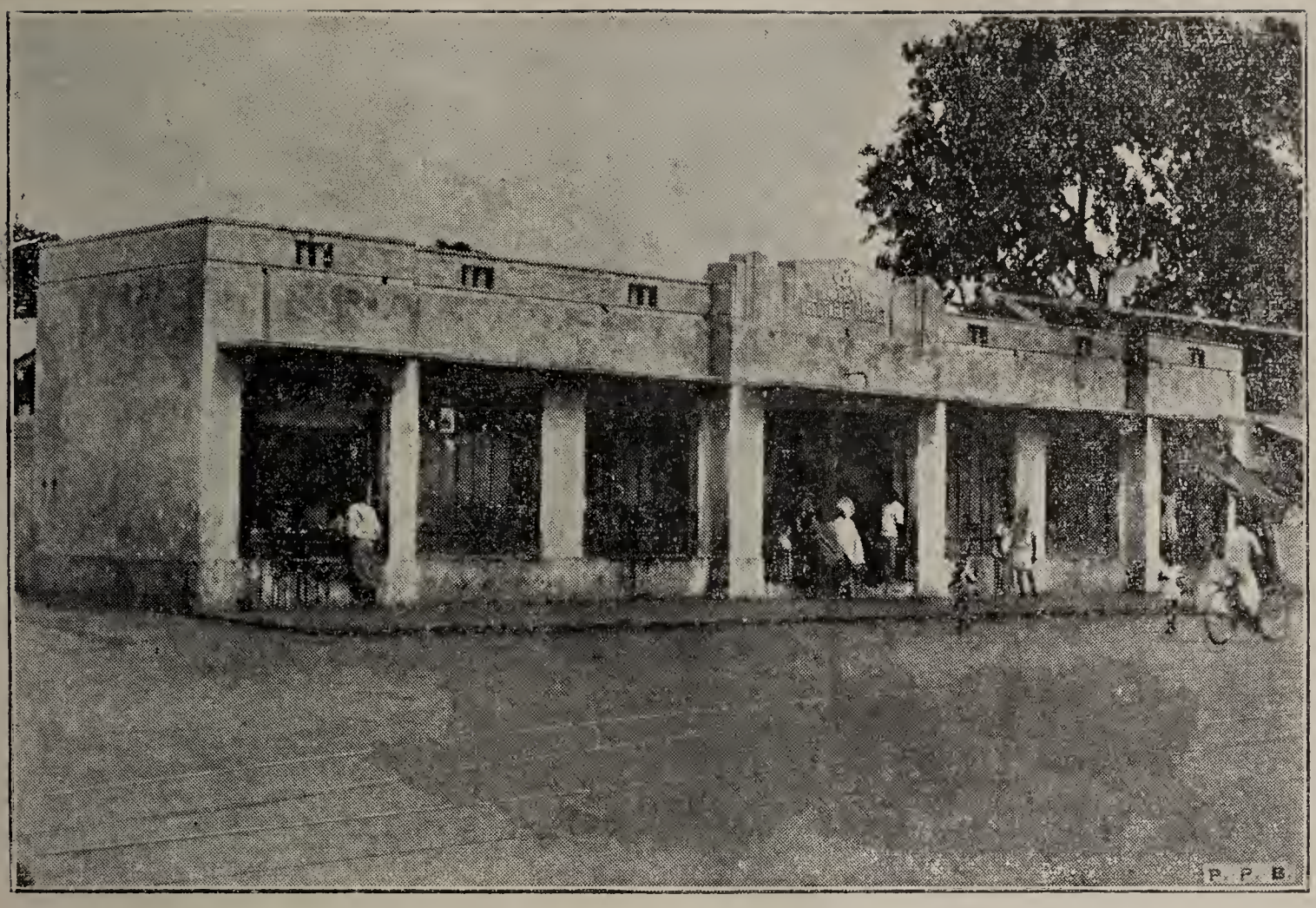
Lodging houses:—70 lodging houses were registered under the Madras Public Health Act. Ten applications for registration were pending disposal at the end of the year.

Cattle yards:—1,203 private cattle yards were found fit for licensing at the beginning of the year. 503 were rendered fit after improvements being effected as a result of action taken by the sanitary staff. 458 cattle yards were found unfit for licence. 143 condemned cattle yards were vacated after repeated prosecutions.

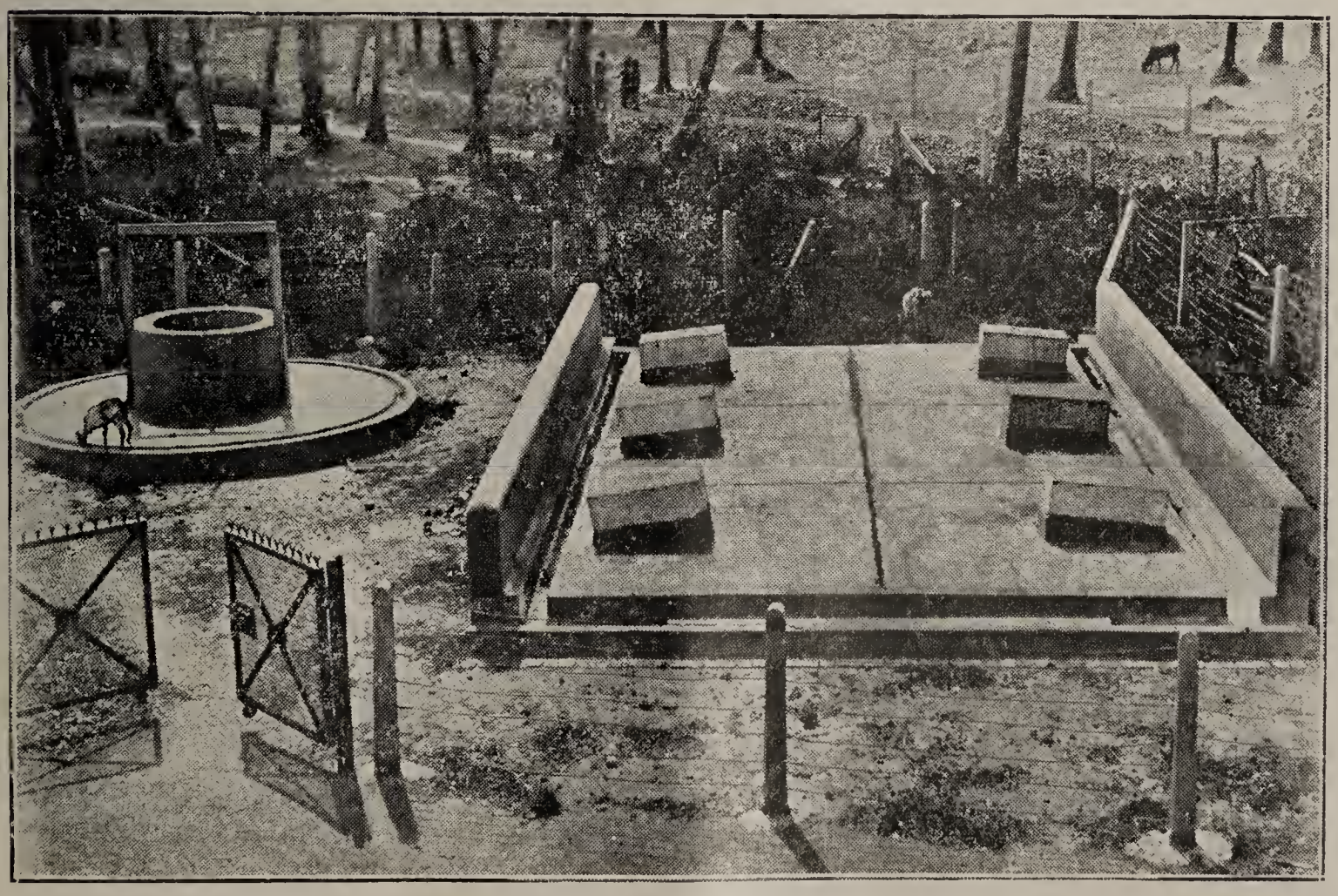
A model cattle yard was constructed during the year in Arimuthu Achri Street with an accommodation of 5 stalls and 5 rooms. 20 animals are being housed there. 386 animals were housed in the other three Corporation cattle yards at Basin Road, Purusawalkam and Chintadripet.

Dhoby khanas:—The Corporation dhoby khanas at Robinson Park and Chetput worked satisfactorily. The new dhoby khana at Conran Smith Nagar was not opened for want of water and drainage facilities. A dhoby khana was in the course of construction at Venkatathri Naick Street.

Food control:—The 7 public and 42 private markets were periodically inspected by the sanitary staff to ensure their proper maintenance. In the case of 6 big private markets the 6 superintendents continued to be in immediate charge of their sanitary upkeep. Sale of



Dr. Mallayya Market in Wall Tax Road



Dhobykhana in Venkatathri Naick Street, Kosapet

articles of food unfit for human consumption was prevented by systematic inspections. The motor lorry was continued to be used for the seizure and removal of unwholesome articles of food. A statement of such articles of food destroyed during the course of the year is furnished in the appendix.

The report of the Public Analyst on the working of the Food Adulteration Act will be found on page 39.

Meat supply :—The three slaughter houses functioned throughout the year satisfactorily. During the course of the year under report 4,58,308 sheep and goats, 18,630 cows and bullocks and 1,312 pigs were slaughtered. The superintendent of the slaughter houses, after examination, rejected as unhealthy 9,340 animals and condemned as unfit for human consumption 40 carcases and 33,096 organs of the slaughtered animals. The sanitary staff paid periodical visits to the mutton stalls within the markets and in other places and prevented the sale of unwholesome meat as well as the sale of flesh of animals slaughtered outside the city otherwise than in a slaughter house maintained or licensed by the Government or by the local authority. The quantity of unwholesome meat destroyed during the year under report will be found in the list of unwholesome articles of food destroyed. The new tiffen shed inside the slaughter house compound was let on contract for a period of three years for Rs. 900 from 15-8-1940. Permission was granted to slaughter 568 sheep and 6 pigs in private places for religious and festival purposes.

Weights and measures :—The work relating to the enforcement of the bye-laws prescribing standard weights, measures and scales was in charge of the two inspectors of weights and measures. They visited periodically all the public and private markets and checked the weights and measures and scales used by the merchants, traders and vendors therein. Depots, go-downs, shops, stalls and stores in places other than markets were also inspected and the weights, measures and scales in use there were examined and tested. Street hawkers selling articles of food, clothes, kerosine, firewood, charcoal, etc., were intercepted for testing the weights, measures and scales used by them. Defective scales, weights and measures were seized and confiscated. Vendors found using defective ones at the time of their seizure were prosecuted.

During the course of the year under report 931 scales, weights and measures were seized and confiscated for being defective. 20 persons were convicted and fined and 5 cases were pending at the end of the year.

Anti-rabic measures :—The seven licensed dog catchers, who were working under the immediate supervision of the superintendent, lethal chamber, caught during the year 15,907 dogs as against 14,524 in the previous year and removed them to the lethal chamber for destruction by electrocution. Of these, 7,053 dogs and 8,601 bitches were destroyed ; 96 were claimed by owners and 139 were given to the Medical College. It is noteworthy that 1,361 bitches were caught in excess of dogs as against 1,096 in 1939. Fifteen licensed pig catchers who worked under the immediate supervision of the superintendent of the slaughter houses caught 97 stray pigs. Of these, 83 were returned to the claimants on the usual conditions of release and 14 were auctioned. All these stray pigs were finally slaughtered in the pig slaughter house.

Poor House :—The Poor House continued to maintain its popularity. There were 325 new admissions during the year. There were 120 deaths

of which 105 took place in the Government hospital at Royapuram and 15 in the institution itself on account of natural causes. The strength of the house at the end of the year was 222.

In addition to the annual repairs and white-washing, barbed wire fencing was provided to the compound wall during the year. As usual feasts were given to the inmates on eleven festival days and also on the birth day of the Maharaja of Travancore. Donations of Rs. 10/-, Rs. 30/- and Rs. 35/- were received during the year for giving special treats to the inmates.

The question of compelling able-bodied beggars was still under the consideration of the Government and the scheme to start a house for lepers and syphilitic beggars had to be kept in abeyance this year also for want of funds.

Zoological gardens :—Under the progressive scheme of improvements the old block of cages at the front was pulled down and a new block erected in its place. To serve the needs of the zoo a flush-out latrine was also under construction. Arrangements for parking cars and other vehicles in the open space in front of the zoo were also made.

The beautiful promenade round the lake and the joy-rides on the elephant continued to attract much attention.

The right of collecting the entrance fees to the zoo, and of plying pleasure boats for hire in the zoo lake was let on contract for Rs. 16,500 for one year from 1-4-1940. The right of keeping a trash bazaar was sold for Rs. 150/- for a similar period. A detailed and full report on the zoo will be found in the Commissioner's Report for 1940-41.

Swimming bath :—The Royal Swimming Bath remained closed this year also on account of water scarcity and for carrying out improvements.

Health propaganda:—Health propaganda was carried on vigorously throughout the year by means of distributing pamphlets, hand bills and leaflets, conducting talks on health subjects, holding cinema and magic lantern shows and issuing notifications. The health talks and lectures with the aid of magic lantern and cinema demonstrations were held in open air as well as in Corporation schools, child-welfare centres and dispensaries. Public meetings on Public Health Act were conducted this year as well to enlighten the public on the scope and provisions of the said Act.

During the year under report there were 951 lectures with magic lantern demonstrations, 145 lectures with cinema shows, 2,474 lectures and 2 006 talks. The total attendance was about 2,70,000. During the annual Park Fair held in the South Indian Athletic Association grounds a health exhibition was conducted.

Public health activities of private aided institutions

Ambal Siddha Vaidya Free Dispensary, 2/48, Saint Xavier Street, George Town, treated 20,121 cases.

Arya Vysya Maternity and Child Welfare Centre, 141, Anna Pillai Street, treated 141 maternity cases of which 54 were in-patients besides 3,251 out-patients.

Bairava Free Dispensary, 410, Triplicane High Road, treated 42,810 cases and conducted health propaganda during 1940–41.

Chengalroya Naick Free Dispensary, Rundall's Road, Vepery, treated 2,38,981 cases.

Chennai Maignana Siddha Vaidyasala, 2/18, Nagappier Street, Thiruvateswarampet, rendered medical aid to 11,454 persons.

Chennapuri Annadana Samajam, 9, Nainiappa Naick Street, Park Town, provided boarding and lodging to 80 persons besides feeding 525 school boys daily on all school days. Many poor persons were also fed and clothed.

Free Unani Disaensary, 31, Hussain Mulk Street, Royapettah, treated 28,015 cases.

Free Unani Dispensary, 83, Ellis Road, Thiruvateswaranpet, treated 3,448 cases in 1940–41.

Friend-in-need Society, 3, Poonamallee High Road, maintained a home for the aged and destitute. The number of inmates averaged 65 throughout the year.

Kalyani Hospital, Edward Elliots Road, Mylapore, rendered medical aid to 2,802 in-patients and 8,516 out-patients.

Marwari Free Ayurvedic Dispensary, 419, Mint Street, Sowcarpet, treated 2,19,438 cases.

Madras Siddha Ayurvedic Free Dispensary, 1/30, Royapettah High Road, Mylapore, treated 17,864 cases during 1940–41.

Monegar and Raja of Venkatagiri Choultries, Monegar Choultry Road, dieted daily an average number of 92 paupers and 255 in-door and out-door paupers respectively.

Oddarpalayam Free Dispensary, 123, Lloyds Road, Mylapore, treated 13,045 cases.

Osmania Shafa Khana, Thayar Sahib Street, Thiruvateeswaranpet, treated 11,?15 cases.

Pandit Anandam Medical Hall, Raghviah Road, Thyagarayanagar, treated about 50 cases daily.

Panduranga Free Dispensary, 66, Monegar Choultry Road, treated 6,096 cases.

Saraswathi Sangam Free Dispensary Oushadalaya, 28, Pedariar Koil Street, George Town, treated 30,316 cases.

Saraswathi Sangam Free Dispensary, Olagappa Maistri Street, Chintadripet, treated 23,379 cases.

Siddhananda Free Dispensary, 330, Mint Street, George Town, treated 23,509 cases during 1940–41.

Sri Kanyaka Perameswari Devasthanam Dispensary, Anna Pillai Street, George Town, treated 53,623 cases.

Sri Ramakrishna Mutt Charitable Dispensary, Brodies Roa d Mylapore, treated 61,543 cases in the allopathic section of which 1,335 were surgical cases and 18,795 cases in the homeopathic section.

St. Thomas Convent Dispensary, San Thome, rendered medical aid to 25,627 out-patients and 756 in-patients during 1940–41.

Triplicane Annadana Samajam, 95 Pilliar Koil Street, Thiruvateeswaranpet, fed 42,837 poor persons.

Trivarnika Maha Sanga Free Dispensary, 169, Devaraja Mudali St., Park Town, treated 69,391 cases.

Unani Darush Shifa Free Dispensary, 515, Triplicane High Road, treated 91,250 cases.

Vasudevananda Free Dispensary, 8, Parthasarathi Swami Street, Triplicane, treated 11,118 cases in 1940–41.

Venkataramana Dispensary, Kutcheri Road, Mylapore, treated 2,22,302 cases and 15,817 minor surgical cases. In its branch at George Town 52,602 cases have been treated. The other branches at Triplicane, Thyagarayanagar and Sowcarpet treated 5,252, 4,654 and 1,352 cases respectively.

Vuppathur Alwar Chetty Garu's Free Ayurvedic Dispensary, 3/6, Tholasinga Perumal Koil Street, Triplicane, treated 1,40,952 cases.

Report of the Port Health Officer on the working of the quarantine regulations at the port of Madras, 1940.

All the vessels which arrived in the port of Madras in 1940, totalling 497, were inspected. The numbers of passengers and crew inspected were 33,357 and 42,727 respectively. One case of influenzal pneumonia and one case of chicken-pox were landed in Madras from ships which touched at this port. They were isolated and necessary measures were also taken. No deaths took place among these patients.

Out-going vessels numbered 497 and, of them, 199 were inspected. A total of 9,765 passengers and 17,060 members of the crew were inspected. 3 members of the crew were prevented from sailing as they were found to be suffering from chicken-pox. In addition, 4 intending passengers with undiagnosed fevers were rejected by the ships' surgeons to whose attention these cases had been brought at the time of medical inspection by the Port Health Department. The necessary precautionary measures were taken.

Inspection of provisions for lascar crew was carried out in respect of 56 vessels in 1940. 4 samples of ghee were sent for analysis. Of these 4 samples, one was condemned and the consignment from which it had been taken was replaced. Other provisions were found to be good in quality and sufficient in quantity in all cases.

The sanitation of the port area was maintained by the Madras Port Trust and was satisfactory during 1940. The mosquito nuisance has been considerably lessened since the Trust took up anti-mosquito work. The highest mosquito larvae index during the year was 1·4 and the lowest 0·2.

During 1940, 31 lots of consignments were inspected at the request of the Madras Port Trust and articles found unfit for human consumption were condemned.

MEDICAL RELIEF

Free medical aid was rendered throughout the year in the following institutions:—

1. 20 Allopathic dispensaries.
2. 4 Unani dispensaries.
3. 2 Siddha dispensaries.
4. 1 Ayurvedic dispensaries.
5. 1 Leprosy clinic.
6. 1 Venereal clinic.
7. 2 Infectious Diseases Hospitals.

The out-patient dispensaries continued to be popular and the total number of cases treated was 30,47,161 as against 28,20,182 in 1939. The total number of skin cases including early cases of leprosy treated in them was 1,21,089. A statement of the out-turn of work in the dispensaries during 1940 will be found in the appendix.

In the dispensaries at Mylapore, Chintadripet and Harbour lady medical officers were appointed from 18-9-1940, 18-9-1940 and 20-9-1940 respectively for the separate treatment of women patients. In the leprosy clinic at Ice House Road there was a total attendance of 41,704 cases of which 401 were new leprosy cases and 10,448 were new cases of skin and other diseases. The number of injections performed for leprosy and skin cases was 7,253 and 396 respectively. 51 persons suspected of leprosy referred by the department were examined and certified. Infectious cases were stopped away from work. Cases suitable for institutional treatment were recommended to the Lady Wellingdon Settlement. An account of the treatment of leprous pupils of the Corporation schools is given in the report on the medical inspection of Corporation schools.

In the leprosy and skin clinic attached to the Vysarpady dispensary 5,727 skin and leprosy cases were treated. Of these 147 were new cases of leprosy and 1,279 were new skin cases. The number of injections given to leper patients was 4,448 as against 3,538 in 1939.

A statement of work done in the two clinics for skin and leprosy is included in the appendix.

The veneral clinic at Pulianthope recorded a total of 23,950 cases treated as against 17,908 in 1939. 981 smears were examined in the clinic and 1,661 specimens of blood were sent to the King Institute at Guindy for serological examination.

During the latter half of the year under report a lady medical officer was appointed for the clinic.

The two Infectious Diseases Hospitals afforded in-patient treatment. The highest number of admissions *viz.*, 1810 cases, was for chicken-pox. The number of cases admitted for small-pox was 94 only. A remarkable feature was that there were no admissions for cholera during the year.

CONSERVANCY

The two Assistant Health Officers continued to be in charge of the conservancy work in the city assisted by two supervisors. Mr. V. J. Balasundra Doss, G. M. V. C., was the Veterinary Officer in charge of the veterinary work relating to the cattle depots and the zoo.

General :—The total expenditure on conservancy for the year 1940–41 was Rs. 11,61,734–6–7 (Rs. 2,356–12–1 capital and Rs. 11,59,377-10-6 ordinary) against Rs. 11,05,303 for 1939–40. The amount spent on wages for conservancy labour was Rs. 6,27,447–0–8.

Cleaning staff :—There were 2,108 male coolies, 202 women coolies and 707 boy coolies for the cleaning of streets, drains, latrines and water-tables. The following carts were engaged for the removal of rubbish, filth, sewage and silt from all the divisions.

(1) No. of trollies, double and single draught carts for the removal of rubbish	...	435
(2) No. of night soil carts	...	85
(5) No. of sewage and silt carts	...	52

60 adults and 60 boys sanctioned temporarily were continued.

Motor lorries :—The lorry station was under the control of the Mechanical Engineer. Motor lorries required for the removal of rubbish and filth in the city were marched out daily from the lorry station. The charges incurred for the supply of these lorries were debited to the Health Department grant. The total amount so debited during 1940–41 was Rs. 2,06,704.

Tipping platform :—The tipping platform at the Basin Bridge depot continued to serve satisfactorily.

Carts :—With the sum of Rs. 30,000 sanctioned in the budget 29 carts and 30 pairs of spare wheels, 2,510 dust bins and 333 night-soil buckets were manufactured at a total cost of Rs. 29,978.

Disposal of rubbish :—About 7,45,794 cart-loads of rubbish were removed during the year as against 5,68,721 in the previous year. Of these 41,428 cart-loads were burnt at the incinerators after separating the earth and other incombustible materials. 1,57,143 cart-loads were dumped at the Korukupet, Otteri, and Mylapore dumping grounds. 2,44,315 cart-loads were used for raising the low-lands. 60,584 cart-loads of incinerator ashes and screened earth were removed by private parties, free of charge, for raising low-lands.

Disposal of filth :—The Corporation continued to maintain 2 pail depots and 2 night-soil depots for the disposal of filth. The pail depots at Ice House Road and D'Mellows Road worked satisfactorily. Coal tar was burnt at these depots to mitigate the stench. 69,817 cart-loads of filth were removed as against 81,238 cart-loads removed during the previous year. Of these, 35,027 cart-loads were flushed into the sewers at the pail depots and the rest trenched in the two night-soil depots at Korukupet and Otteri. The amount realised by the sale of manure and cow-dung during 1940–41 was Rs. 3,519–3–2.

Public latrines :—326 public latrines existed in the city during the year under report. Of these, 271 were of the flush-out type and 32 were masonry ones. The remaining were sanded latrines. 18 modern conveniences and one sanded latrine were opened for public use during the year at the following places :—

1. Kuppam Road near Vinayagapuram, Kasi Gardens—1st division.

2. Shaik Maistry Street (St. Xavier St.)—1st division.
3. Suryanarayana Chetty Street (near Muhammadan burial ground)—1st division.
4. Nyniappa Naicken Street—5th division.
5. China Bazaar Road (opposite to Badrian St.)—15th division.
6. Near Bus Stand and Perambur Railway Station—18th division.
7. Sematha Cheri—18th division--Sanded latrine
8. Dumping Ground Cheri (near Otteri burial ground)—21st division.
9. Chinna Balan Street—21st division.
10. Kutti Cheri—22nd division.
11. Mettu Cheri—22nd division.
12. Moore Market (north eastern corner)—23rd division.
13. Ellis Road—31st division.
14. Begum Sahib Street—35th division.
15. Thalayari Street—35th division.
16. Pappu Mustan Durga, Mylapore—35th division.
17. Nyniappa Mudali Street.—36th division.
18. Ammayappa Mudali Street—36th division.
19. Mada Church Street, Mylapore—40th division.

All the public latrines were white-washed. 2,740 gallons of disinfectants were utilised during the course of the year for the disinfection of these latrines, drains, etc. 4,980 parahs of chunam were used near dust bins, road sides, street corners and other places rendered untidy by the committal of nuisance.

Festivals :—During the yearly festivals at Mylapore and Triplicane conservancy arrangements were specially provided for the convenience of the crowds gathering in large numbers at these places. The conservancy of the S.I.A.A. grounds during the annual Park Fair and Exhibition was as usual undertaken on payment of charges.

Private scavenging :— The removal of rubbish and filth from several public institutions in the city was carried out by the department as per Section 197 of the City Municipal Act. The total income realised by way of fees during 1940-41 was Rs. 23,257-1-11.

Nuisance :—The conservancy staff paid particular attention to the cleaning and disinfection of places where there was frequent committal of nuisance. The police authorities also prosecuted a few of the offenders with a view to abate this nuisance in the areas most affected. To warn the public against the committal of nuisance, notice boards were put up in several parts of the city.

Labour :—In pursuance of G. O. No. 4942 L. & M. dated 22-12-1931, the coolies who retired on account of old age and infirmity were granted bonus. 305 coolies occupied tenements in the Corporation model lines and 377 lived in huts on Corporation land. The labourers had their needs well attended to. Cases of grievences brought to the notice of the Health Officer and the Commissioner received the utmost consideration and were personally enquired into.

Conservancy depots:—There were 6 conservancy cattle depots situated in different parts of the city. Each depot was in charge of a veterinary graduate designated as the depot superintendent.

Animals:—The number of bullocks on 1-1-1940 was 976. 61 bullocks were purchased during the course of the year.

161 bullocks died during the year and 24 unserviceable bullocks were sold. One bullock was received from the zoo. There were thus 853 bullocks at the end of the year.

Of the 161 casualities during the year, 87 bullocks died of old age and general debility, 30 of tuberculosis, 2 of piroplasmosis, one of anthrax, 4 of lymphangitis, 10 of respiratory diseases, 12 of cardiac diseases and 15 from other causes.

Rinderpest:—There were no deaths from rinderpest during the year as all the depot bullocks were permanently protected against it by the sero-virus method.

Piroplasmosis:—There were only 2 deaths from piroplasmosis during the year.

Anthrax:—There was only one death from anthrax at the Krishnampet conservancy depot. Preventive measures were promptly adopted and all the depot bullocks were immediately protected with anthrax serum.

Foot and mouth disease:—There was no outbreak of foot and mouth disease among the conservancy bullocks. There was an isolated case of attack at the Basin Bridge depot. All preventive measures were adopted to prevent the spread of the disease.

Tuberculosis:—There were 30 deaths from tuberculosis as against 22 in 1939 and 32 in 1938. Conservancy bullocks being easily exposed to tubercular infection, all possible preventive measures were adopted. Every animal showing clinical symptoms of tuberculosis was immediately destroyed. Bullocks suspected for tuberculosis were immediately segregated at the Isolation Hospital at Vysarpady and tested with tuberculin and all positive reactors were immediately destroyed.

Animals treated atthe conservancy cattle depots and at the Veterinary Isolation Hospital, Vysarpady:—1,585 cases were treated for various diseases in the conservancy cattle depots and 350 cases which either suffered from contagious diseases or required special care and attention were brought to the veterinary hospital and treated there.

Private cattle yards:—The depot superintendents were directed to inspect at least 3 private cattle yards each a week and to conduct protective inoculations against rinderpest among the milch cattle. 825 cattle yards were inspected during the course of the year and 1,924 milch cattle were examined. About 772 animals were permanently protected against rinderpest by the Corporation veterinary staff with the permission of the owners.

A rough survey to find out the prevalence of tuberculosis among the milch cattle in the city was conducted by the Corporation Veterinary Officer and about 3,000 milch cattle were examined at randon from different cattle yards in the city and no clinical case was traced out.

MOSQUITO CONTROL WORK

The staff for this work continued to be the same as in the previous years. The three supervisors under the guidance of a medical officer were in charge of the three ranges into which the city has been divided for this purpose. The 8 stegomyia overseers, 36 maistries, 1 laboratory attendant and 144 coolies were all distributed as in the previous years. The activities of the house inspection squads were confined to a few divisions where the need for control was felt most on account of the absence of under-ground sewer and other sanitary facilities. The above staff was found quite inadequate to provide regular weekly or even fortnightly rounds in all the divisions of the city.

The various aspects of the anti-mosquito activities are dealt with below :—

Tanks and ponds:—421 ponds and tanks existed at the beginning of the year. 135 ponds and tanks were attended to departmentally and the charges collected from the owners amounted to Rs. 1,537-4-0. 176 ponds and tanks were attended to by the owners themselves. 5 private ponds were cleaned free of charge on account of their receiving storm and drain water from the surroundings. 9 Corporation owned tanks received periodical attention from the staff. The remaining ponds and tanks were found clean and free from mosquito larvae. 20 ponds were reclaimed during the year. All the tanks and ponds were invariably stocked with larvicidal fish.

Wells:—About 16,000 wells existed in the city. The staff examined these wells for mosquito larvae and stocked them with larvicidal fish after removing floating matters such as leaves, rags of cloth, paper, etc., falling accidentally or otherwise into the wells. The results of the inspection made by the staff during the year are given in a statement below with a view to show how the number of mosquito breeding wells has considerably gone down.

	Percentage of wells with fish alive.				Percentage of wells with mosquito larvae.				Percentage of wells with anopheles larvae.			
	1940	1939	1938	1937	1940	1939	1938	1937	1940	1939	1938	1937
1st round	90·62	88·90	83·5	52·4	1·30	2·00	2·9	8·7	·17	·28	1·1	5·2
2nd round ...	90·83	87·89	83·3	75·6	1·42	1·78	2·4	6·3	·24	·32	0·8	2·1
3rd round ...	91·71	88·53	85·0	85·3	1·47	1·73	3·0	5·3	·30	·38	1·0	2·0
4th round	93·26	87·22	85·7	89·9	1·62	1·78	3·6	2·8	·38	·34	1·3	1·2
5th round ...	93·29	88·40	86·9	....	1·66	1·62	3·5	...	·40	·28	1·0	...

A reference to the comparative statement of the findings of the staff for 1937, 1938, 1939 and 1940 would show that the anopheline control of the wells was a remarkable feature resulting in the comparative freedom from malaria of the city population.

During the year 197 wells were filled up. 1,830 wells were found to be covered with cuddapah slabs and 6,382 wells provided with trap-doors. 273 wells were found neglected. These wells were oiled with kerosine and

after ten days stocked with larvicidal fish. The staff detected 739 wells including those newly sunk.

As pointed out in the previous years' reports, wells formed the permanent breeding places of *Anopheles stephensi* (malaria carrier), *Aedes Aegypti* (vector of yellow fever) and *Culex fatigans* (vector of filariasis). Special attention was paid to the wells which were breeding anopheles stephensi by inspecting them frequently and stocking them with fish till the breeding was brought under control.

The fish gangs, in addition to stocking the wells with fish, detected and destroyed mosquito breeding grounds such as broken vessels, tins, cisterns, tubs, drums, etc. 1,225 such receptacles likely to have become mosquito breeding places were removed by them from the houses.

Anti-stegomyia service:—The stegomyia control measures extended only over that portion of the city lying within half a mile around the Madras port. This area was inspected 17 times during the year under report and 68 times from the time of the commencement of the stegomyia survey in 1936. The stegomyia house-index was furnished to the Director of Public Health every month.

The mosquito house-index for the 17 rounds made during the year under report ranged from 0·67 to 1·12, the index at the time of the commencement of the survey in 1936 being 14·0. Similarly the stegomyia house-index of the year under report varied from 0·28 to 0·78 as against 9·9 in 1936.

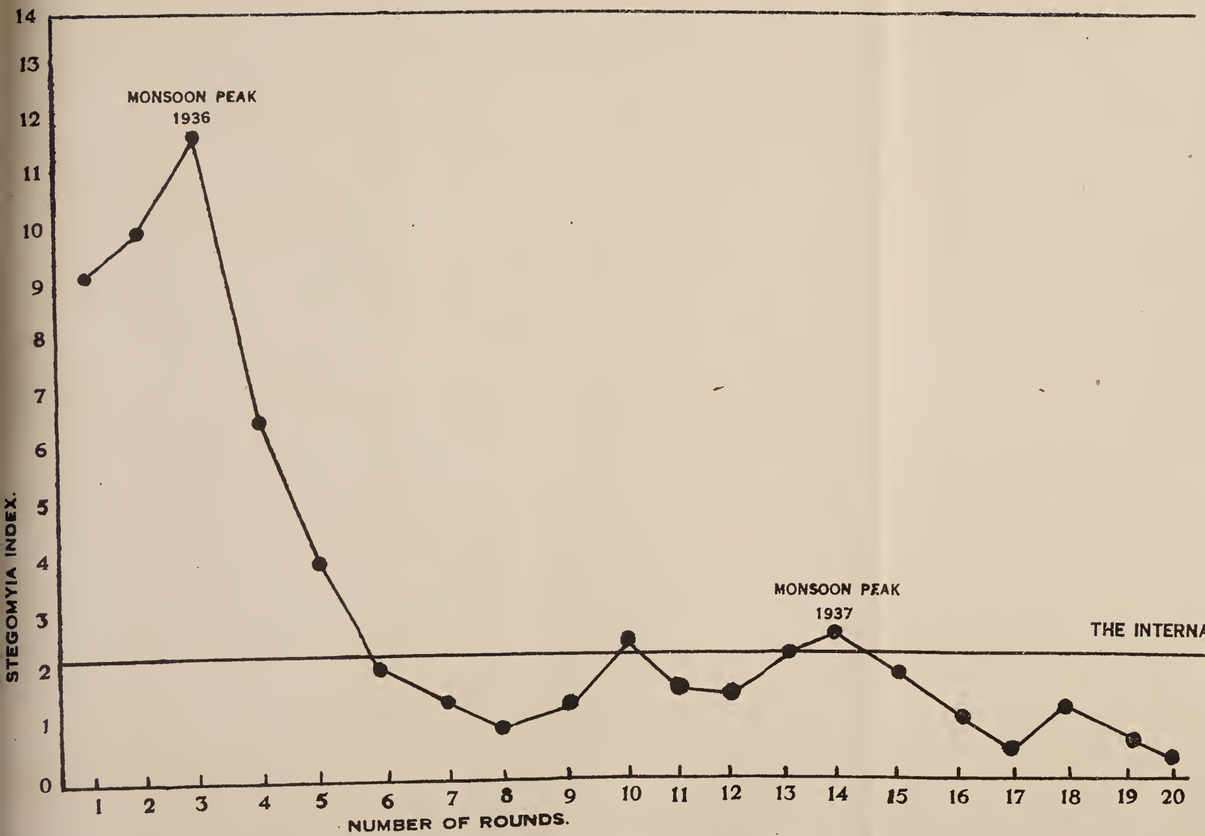
The graph illustrates the trend of stegomyia house-index from the time of the survey in 1936 upto the time under report. It also shows that the port area is having a stegomyia control sufficient to keep the index far below the international danger zone of index 2 for yellow fever.

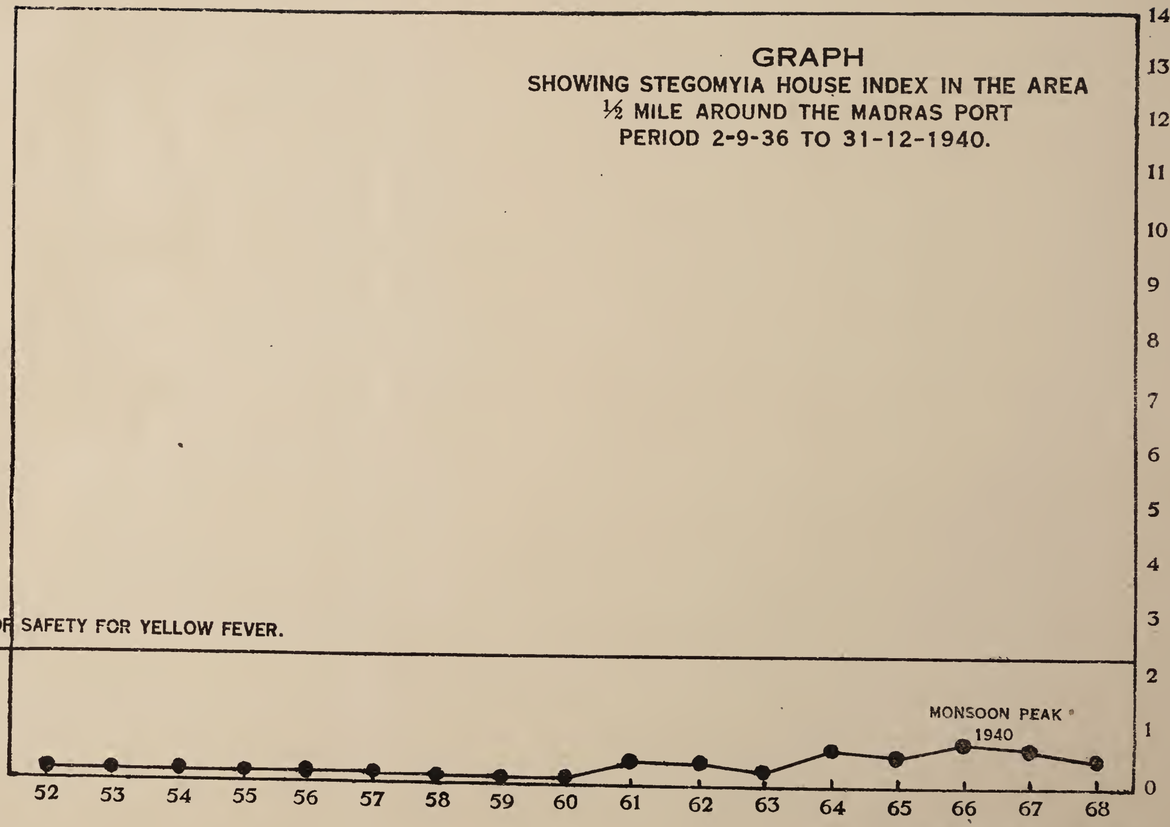
To sum up the anti-stegomyia operations, every premises within the specified area was inspected by the staff and examined by them for the presence of mosquito larvae. Samples of larvae detected were collected from every breeding place. These larvae were bred in the laboratory into adult mosquitoes for ascertaining the species to which they belonged. 387 printed advice memos containing the nature of the breeding places and the methods of control were distributed to the owners or occupiers to prevent such breeding in future. Action was taken to enforce permanent measures wherever necessary. Public Offices, firms, etc., were addressed to carry out preventive measures whenever breeding was noticed in wells, fire-buckets, overhead cisterns, flush-out tanks, wells, etc., within their premises. To prevent the breeding in storages of water in brass and earthen vessels, instructions were issued to renew the water once in 2 or 3 days and to keep such receptacles always covered with lids. Water stored in pots, tubs, drums or cisterns and kept near flush-out or dry latrines for the purpose of flushing out or washing the latrines was a common breeding ground of stegomyia mosquitoes. Special efforts were made to prevent this practice. In many instances the pots, tubs, drums, etc., were removed with the permission of the owners to whom the advisability of supplying water directly to the scavenger was pointed out. In other instances instructions were given to cover the receptacles with lids and to empty them completely once in 2 or 3 days.

The anti-mosquito campaign in Thyagarayanagar was similar to the anti-stegomyia operations described above. The staff paid periodical visits to all the private and public places, inspected the wells, cisterns cess-pools, stagnation in pits, drains, culverts, etc., and destroyed the breed-

GRAPH

SHOWING STEGOMYIA HOUSE INDEX IN THE AREA
½ MILE AROUND THE MADRAS PORT
PERIOD 2-9-36 TO 31-12-1940.





N.B.— The index continued to be below 2 during 1938 & 1939 also (break in graph).

LITHO BY SOLDEN & CO., MADRAS.

ing of mosquitoes in these places. Similar work was continued in divisions 20, 21, 22, 26, 27, 28, 29, 36, 37 and 40.

The mosquito house-index for 24 rounds made by the staff in these divisions ranged from 0·7 to 1·4 and the stegomyia house-index from 0·2 to 0·6. Compared with the mosquito house-index of 9·5 at the beginning of the survey for these divisions in 1937 the improvement effected in controlling mosquito nuisance in these divisions during the year under report has been considerable.

The number of mosquito breeding places that were destroyed for the 24 rounds during the year is given below.

	No. of mosquito breeding places (including stegomyia)	No. of stegomyia breeding places.
1	202	72
2	303	75
3	297	108
4	239	57
5	227	55
6	222	77
7	207	61
8	235	74
9	247	63
10	179	71
11	186	63
12	197	73
I3	243	88
14	253	91
15	314	83
16	212	67
17	248	63
18	221	54
19	267	78
20	285	115
21	312	90
22	227	100
23	373	106
24	301	85

During the course of the work the staff cleared away from the premises 89,227 old and unserviceable articles which would otherwise have become breeding places of mosquitoes after the rains. On account of the periodical inspections made by the staff, the residents in these areas had great relief from mosquito nuisance.

Public drains. cess-pools, stagnation, etc.:—All covered and open drains, ditch drains, cess-pools, gully traps. stagnant pits, low-lands ditches, etc., in public places were petrolised once a week. It may be mentioned that the new extension of storm water drains to relieve flooding of low-lands has considerably increased the petrolising work of the oil gangs. A mixture of liquid fuel and kerosine was used as a larvicide. Pyrocide mixture was also used where the larvicidal effect of the oil mixture was defective.

River Cooum and Buckingham canal:—The Cooum river and the Buckingham canal were looked after by a separate staff for removing all weeds and moss. This helped the larvicidal fish to flourish and effectively control mosquito breeding. The pools and puddles on the edges of both the waterways were also oiled wherever necessary. Paris-green mixture

was dusted to prevent the breeding of anopheline larvae. These measures taken by the staff helped a great deal to control the mosquito nuisance from the Cooum river and the Buckingham canal.

Low-lands :—In addition to the reclamation of 20 ponds during the year, portions of low-lands next to Record Office, near Conran Smith Nagar, in Perambore tank, next to the slaughter houses and at the Mylapore burial ground were also reclaimed.

Malaria cases treated in Corporation dispensaries :—During the year 8,933 malaria cases were treated in the several Corporation dispensaries as against 6,521 in 1939 and 17,697 in 1936 when the anti-malarial operations were commenced.

Cases of enlarged spleen among Corporation school children :—During the school year 1940–41, the medical inspection staff attached to the Corporation schools detected 9 cases of enlarged spleen due to malaria among the children attending Corporation schools as against 27 cases in the previous year and 118 cases at the commencement of the anti-malarial operations in 1936. These 9 cases were found among the children attending the Corporation schools in the northern range of the city as compared with 24 cases in 1939 and 100 cases at the commencement of the operations.

The spleen rates among the children attending Corporation schools for 12 years from 1929–30 are given below :—

Year.	No. of children examined.	No. of children with enlarged spleen.	Spleen rate.
1929–30	21,113	371	1·8%
1930–31	25,342	327	1·3%
1931–32	28,342	133	0·5%
1932–33	27,506	96	0·4%
1933–34	28,578	274	1·0%
1934–35	29,737	229	0·8%
1935–36	30,705	173	0·6%
1936–37	29,376	118	0·4%
1937–38	31,187	49	0·2%
1938–39	30,352	38	0·13%
1939–40	29,142	27	0·09%
1940–41	29,083	9	0·03%

The spleen rates above would show the utility of the anti-malarial operations. A close study of the return of positive malarial cases from hospitals and dispensaries in the city for paying particular attention to those divisions wherefrom cases are reported, the periodical inspection of the breeding places of anopheles stephensi and the preventive measures taken by the staff to control the breeding have all contributed to the effective control of mosquito breeding in general and of the malaria carriers in particular in the city.

MEDICAL INSPECTION OF CORPORATION SCHOOLS, 1940–41

Staff :—4 Medical Inspectors and 2 Medical Inspectresses continued to be in charge of the work during the year. Two honorary medical officers were appointed in June 1940 to treat ear, nose and throat complaints of the school children. They attended the dispensaries at Chintradripet and Mint Street and treated the children suffering from the above mentioned complaints.

Findings of medical inspection :— The total number on rolls as it stood on 31st March 1941 in all the Corporation schools was 27,052 boys and 19,655 girls while the rolls in the schools inspected totalled 19,509 boys and 14,667 girls. The aggregate roll for the schools that could not be visited worked upto 7,543 for boys and 4,988 for girls. 16,771 boys and 12,312 girls were examined during the year. The average attendance in the schools examined was 15,342 boys and 11,314 girls. The percentages of boys and girls examined to the total number on rolls in the schools inspected were 85·97 and 83·94 respectively.

During the year under review 8,799 (52·47%) boys and 4,848 girls (38·38%) were ailing and required treatment. During the previous year the percentages of defectives were 54·28 among boys and 44·05 among girls.

There was noticeable improvement in the nutritional condition of both boys and girls. Fewer children were having nasal and throat complaints during this year. The incidence of enlarged spleen due to malaria had gone down considerably during the year.

Cleanliness and condition of the scalp, body and nails :—1,451 boys (8·65%) and 365 girls (2·96%) were found wanting in personal cleanliness. The school staff continued to pay attention to this and instructed the dirty children to bathe in the school premises.

Malnutrition :—2,038 boys (12·15%) and 128 girls (1·04%) were under-nourished as against 12·51% and 1·59% respectively in the previous year. Under-nourishment was due to the poor quality of the food and ill-balanced nature of the diet. The difficulty in supplying cod liver oil was experienced during this year also. The parents were advised to improve the quality of the diet consistent with their status.

Teeth and mouth :— 2,774 boys (16·54%) and 1,117 girls (9·07%) had dental and oral complaints. The percentages for the previous year were 16·13 among boys and 11·55 among girls. 1,868 children had stomatitis and were treated at the dispensaries. 150 of the children having tartar teeth were advised scaling of tartar at the dental sections of hospitals. 1,471 were referred to the same section for extraction of carious teeth or filling up of cavities.

Nose and throat :— 2,522 boys (15·04%) and 2,541 girls (20·64%) had diseases of the nose and throat. The corresponding percentages for the previous year were 16·99 among boys and 25·50 among girls. 3,520 children who had simple enlargement of the tonsils without other complications were treated at the Corporation dispensaries. 917 had the same defect with complications and were advised removal early. 70 children having adenoids were also advised removal early. 221 children had enlarged glands of the neck and 376 had nasal catarrh. Suitable treatment was given to them.

Eye diseases :—599 boys (3·57%) and 339 girls (2·75%) had defects and diseases of the eyes. During the previous year the percentages of defectives were 2·71 among boys and 2·66 among girls. All the minor complaints of the eyes were treated at the Corporation dispensaries. 150 children had conjunctivitis. 49 children having squint were referred to the eye hospital for correcting errors of refraction.

Defective vision :— 74 boys (0·44%) and 31 girls (0·25%) had defects of vision, the corresponding percentages in the previous year being 0·79 and 0·13 respectively. Two children had defects of a minor degree and were

advised to improve the general health. 103 were referred to the Ophthalmic Hospital or eye sections of other hospitals for correcting errors of refraction.

Ear diseases :— 413 boys (2·46%) and 134 girls (1·09%) had otitis, otorrhoea and other ear diseases, the corresponding percentages during the previous year being 2·13 among boys and 0·99 among girls. 119 children had otitis while 263 had otorrhoea. All except simple acute otitis were sent to the honorary medical officers in charge of the E. N. T. work for advice and treatment.

Hearing :—13 boys (0·08%) and 10 girls (0·08%) were short of hearing. The percentages during the previous year were 0·05 among boys and 0·03 among girls.

Speech :—54 boys (0·32%) and 13 girls (0·11%) had defects of speech as against 0·25% and 0·07% respectively in the previous year. 52 were stammerers and 12 had defects of articulation. Three were dumb.

Circulatory system :—153 boys (0·91%) and 32 girls (0·26%) had diseases relating to heart and blood. The corresponding percentages during the previous year were 1·40 among boys and 0·21 among girls. Organic diseases of the heart were detected in 31 children while 55 had functional disorders. 81 had anaemia and were treated at the Corporation dispensaries.

Tuberculosis :—12 boys (0·07%) and 10 girls (0·08%) had signs and symptoms of early tubercle of the lungs. The percentages during the previous year were 0·13 among boys and 0·03 among girls. Lectures and talks with the parents were continued during the year. Necessary treatment was given to them.

Respiratory diseases :—338 boys (2·02%) and 117 girls (0·95%) as against 1·97% and 0·69% respectively in the previous year had bronchitis and other non-tubercular affections of the lungs or other organs. 422 children had bronchitis and 33 had bronchial asthma. They were treated at the local dispensaries with benefit.

Abdominal organs:—223 boys (1·33%) and 14 girls (0·11%) were found defective under this head. During the previous year 1·32% among boys and 0·27% among girls were defective. Only 9 children had enlarged spleen. All of them were in the northern range. Suitable treatment was given to them. The results are shown in the following-up statement. Cases of inguinal and umbilical hernia requiring operative treatment were directed to the government hospitals.

Bones and joints:—542 boys (3·23%) and 34 girls (0·28%) had diseases of bones and joints. The corresponding percentages during the previous year were 2·43 among boys and 0·25 among girls. 512 had deformed chest of varying degrees. The details of defects are shown in a separate table.

Nervous and psychic systems :—31 boys (0·18%) and 14 girls (0·11%) had defects under this head. 0·27% of boys and 0·03% of girls were defective during the previous year. 20 children had infantile palsies while the rest had functional disorders.

Infectious and contagious diseases :—1,545 boys (9·21%) and 935 girls (7·59%) had infectious diseases including skin conditions. The corresponding percentages during the previous year were 9·69 among boys and

7·00 among girls. 1,360 children had scabies and 474 had signs of leprosy. 144 of the latter were new admissions and the rest were old cases already under treatment. The details of the work done in regard to this is given under a separate head. Children suffering from skin complaints were advised frequent baths at the school.

Other diseases and defects :—1,302 boys (7·76%) and 309 girls (2·51%) had diseases and defects not included in the other items. The percentages for the previous year were 6·39 and 2·49 respectively. 269 children had worms. 602 had phimosis and were advised circumcision.

Deformities :—54 boys (0·32%) and 29 girls (0·24%) had deformities. During the previous year the percentages of defectives were 0·27 among boys and 0·23 among girls. The details of deformities have been shown in the table.

No. without marks of vaccination :—160 boys (0·95%) and 72 girls (0·58%) had no visible marks of vaccination. In addition the medical inspectors re-vaccinated 2,644 children during the year in the different schools.

Medical treatment:—Minor ailments were treated at the Corporation dispensaries while more serious cases were referred to the Government hospitals for institutional treatment. As many children as were within the reach of the E. N. T. clinics were sent for treatment to the honorary medical officers at these clinics. In other cases they were directly sent to the E. N. T. sections of Government hospitals.

10,574 children were treated at the Corporation dispensaries and their proper attendance was supervised by the school staff. The details of the number of children sent to other institutions are shown in the treatment table. As mentioned in the previous year's report, leper children were treated at the local dispensaries after examination at the skin clinic, Ice House Road.

Leprosy :—474 children having signs and symptoms of leprosy were detected during the year. The decrease, as mentioned in the previous year, was due to certain schools being left without inspection. The existing staff were unable to cope with the work. The percentage of defectives was 1·63 as against 1·78 in the previous year. 144 were entrants and 330 were old cases already under treatment. Their parents have been advised. The scheme of work regarding treatment was continued during this year also. During the latter half of the year, on a request from the City Leprosy Officer, Dr. Joseph, children from Royapuram and Washermanpet areas were sent to the Government Royapuram skin clinic for treatment. 310 children in 56 schools were examined by the medical officer of the skin clinic and treatment was advised.

The distribution of the disease according to sex was as follows:—

Group.	No. Defective.	Percentage to the total examined	Percentage to the total of leprosy cases.
1. Boys.	408	2·43	86·08
2. Girls.	66	0·54	43·92
Total ...	474	1·63	100·00

Careful following-up revealed varying results. In 24 children the disease was arrested after a prolonged course of treatment. In 47 children

improvement was noticed after prolonged treatment. 380 continued the treatment without showing improvement. 9 were indifferent in spite of repeated advice and persuasion. 14 left the school after detection and advice and could not be traced. Children who passed and joined other institutions were advised to continue the treatment. The heads of the institutions concerned were also informed of the fact.

Re-inspections and following-up work

244 re-visits were paid to the schools in addition to the routine annual visits to find out the improvement effected in the health of the children and also to encourage the school staff to continue following-up the children receiving treatment. 14,636 re-examinations of children were conducted. Leprous children were kept under observation throughout the year and their parents were frequently invited to the schools for advice. The details of the results obtained are given below.

Malnutrition :—333 ill-nourished children regained normal health after a course of treatment and change in diet. 869 improved in general health. 662 continued the treatment as they showed no visible improvement.

Teeth and mouth :—Under medical advice 265 children had their carious teeth extracted. 18 children had their tartar scaled and subsquently kept their teeth clean. 598 children having stomatitis were cured and 548 improved after treatment. Two children had their tongue-tie clipped.

Nose and throat :—135 had their tonsils or adenoids removed by operation while 433 were treated at the dispensaries and cured. 707 improved after treatment.

Defective vision :—10 children had their vision corrected by wearing glasses. One child regained normal vision after improving the general health. In 12 the vision improved while 33 were still undergoing treatment.

Infectious and contagious diseases :—936 children who had skin affections such as scabies, eczema, etc., were cured after treatment and attention to personal hygiene. 456 improved. Results of the treatment given to leper children are given separately.

Other diseases and defects :—123 children underwent circumcision operation for phimosis after medical advice. 85 of the children found attending the schools with fever due to various causes were sent home with suitable advice and medicines. Later they were found cured.

Co-operation of parents :—5,173 parents of children were present during or after the examination of their boys to receive advice. In many cases the parents themselves asked for and obtained treatment for their ailments.

Co-operation of teachers :—The school staff continued to co-operate with the medical inspectors in following-up the inspection work and ensuring that defective children underwent treatment. A separate list of the leper children was maintained in the schools and the attendance at the centres checked.

School sanitation :—10 buildings were found unfit for school purposes. In 35 schools improvements were suggested to rectify defects in ventilation, sunlight, etc.

School latrines :—91 of the schools inspected had flush-out type of latrines. In 21 of the schools, the latrines were of the hand conserved type. Recommendations were made to have these converted to the flush-out type where it was possible.

Play ground :—49 schools required play ground accommodation.

Water supply :—Sufficient water supply has been ensured for the schools. Strained tap water was supplied to the children for drinking.

School equipment :—Every school had adequate furniture and equipment.

School baths :—47 of the schools inspected had bathing facilities for the children. Dirty children utilised them during the recess hours.

Mid-day meals :—In 99 schools 6,100 children were provided with mid-day meals daily. The medical inspectors supervised the arrangements made for the preparation and distribution of meals.

Propaganda :—148 lectures and 141 talks on health subjects were conducted in the schools. The total attendance at these was 20,933.

REPORT OF THE PUBLIC ANALYST FOR THE CITY OF MADRAS FOR 1940

During the year ended 31st December 1940, I continued as Public Analyst for the city of Madras for the whole year and Mr. S. Sundaram, B. Sc. (Hons.), continued as assistant for the major part of the year. Mr. S. Sundaram was on leave for about three months towards the close of the year and during this period Mr. C. V. Subbiah, M. Sc., acted as my assistant in Mr. Sundaram's place.

The main work in the Public Analyst's laboratory, as in previous years, consisted of the analysis of samples of food under the Madras Prevention of Adulteration Act, 1918.

During the year ended 31st December 1940, the total number of samples analysed in the laboratory under the Madras Prevention of Adulteration Act was 1,871 as against 1,246 in the previous year. It may be mentioned in this connection that, since the Corporation began to take samples under the Act in 1930 the maximum number of samples analysed in any one year prior to 1,940 was 1,451 in 1938, and that during the year under report 1,871 samples were analysed. This substantial increase was made possible by the fact that the laboratory is now housed in the new building, to which it was shifted during the latter part of 1939. Of the 1,871 samples analysed 1,291 samples were found to be genuine and the remaining 580 samples were reported as adulterated. The percentage of adulterated samples calculated on the total number of samples was 31·0 against 30·1 in the previous year.

The samples consisted of ghee, butter, milk, gingelly oil, ground-nut oil, cocoanut oil, coffee powder, tea and ghee substitutes prepared from hardened oils. A statement of the samples analysed and of the results of analysis during the year under report and the six previous years is given in Table No. 1 in the appendix.

It would be seen from the Table that the percentage of adulterated samples during the year under report was 31·0 against 30·1 in 1939 and 30·4 in 1938. The percentage of adulteration has been maintained at about 30

for the last three years. Though this figure is high, it need not cause any alarm regarding the quality of foods sold in the Madras shops considering the fact that out of 1,871 samples, 296 samples were taken from street hawkers of ghee, of which only a single sample was genuine. Excluding these 296 samples taken from hawkers, the number of samples from shops would be 1,575 out of which only 285 samples were adulterated, the percentage of adulterated samples being 18·1 which shows that the quality of foods sold in shops has considerably improved with the continued working of the act in the city. Though the quality in shops is good, the quality of food, especially ghee sold by street-hawkers, is deplorably bad. Thus out of 296 samples of ghee taken from hawkers only one sample was genuine. I would like to point out again that the public should buy their ghee only from established shops, if they want genuine ghee. They should realise that it is really more advantageous to buy genuine ghee from a shop paying a higher price than to buy the so-called cheaper ghee sold by hawkers containing in most cases little or no ghee at all. The results of analysis of ghee samples taken from established shops and street-hawkers are given below.

	No. of samples.	No. adulterated.	Percentage of adulterated samples.	Average degree of adulteration in the adulterated samples.
I. Established shops.	477	78	16·4	37·9 per cent.
II. Street hawkers.	296	295	99·7	86·4 ,,

The percentage of adulteration of gingelly oil during the year under report was only 6·5 compared with 20·0 during the previous year showing a remarkable improvement in the quality of gingelly oil sold in the city. Milk also has improved in quality and the quality of coffee and tea continues to be good. Ghee and butter have shown some deterioration in quality.

I would like to point out that during the year under report, the latest apparatus for the detection of added water in milk, namely the Hortvet Cryoscope, was used in the routine examination of milk in the laboratory. The importance and the usefulness of this apparatus cannot be overrated. In tropical countries, where cow's and buffalo's milk are both available, at nearly the same price, recourse to this apparatus is the only method by which one can detect the largely practised fraud of adding water to buffalo's milk and selling it as cow's. As much as 20 per cent of water could be added to buffalo's milk and the product sold as cow's milk, without the fraud being detected by the ordinary methods of milk analysis, whereas even the slightest addition of water to milk either cow's or buffalo's can be detected by the Hortvet Cryoscope.

During the year under report, several genuine gingelly oil samples were sold as ground-nut oil, a cheaper oil. This should have been due either to carelessness on the part of the vendor to declare the sample correctly or to a feeling that the vendor could escape prosecution by such a declaration even if the sample should prove to be adulterated gingelly oil. Such a sale constitutes an offence under Section 5 of the Act and there is no justification for the vendor to plead ignorance of the nature of the article he is selling to the public.

The details regarding the various articles dealt with are given below :—

Ghee :—773 samples were analysed, of which 660 were declared and bought as ghee and 113 were declared by the vendors as low quality ghee, adulterated ghee or ghee mixtures. Out of 660 samples bought as ghee, 260 were adulterated and of the other 113, all the samples were adulterated. Rule 28 of the Madras Prevention of Adulteration Rules, 1932, prohibits the sale of adulterated ghee even if declared so by the vendor.

The adulterants were almost entirely hydrogenated (hardened) oils of varying degrees of hardening and the degree of adulteration varied from 15 to 100 per cent.

Butter :—102 samples were analysed, of which 45 were certified as adulterated. Out of the 45 adulterated samples, 36 samples contained water in excess of the prescribed maximum limit, namely 20 per cent. The percentage of water in these samples ranged from 21·5 to 29·8.

4 samples, while containing water below the prescribed limit, contained 20 per cent foreign fat. 5 samples contained both excess water (ranging from 1·3 to 7·0 per cent) and foreign fat (from 15 to 20 per cent.)

Milk :—288 samples were analysed. Of these 193 were declared as cow's milk, 90 as buffalo's milk and 5 as mixture of cow's and buffalo's milk.

Of the 193 samples of cow's milk, 58 were certified to contain added water. Of these 58, 27 were certified to contain added water on the basis of the deficiency of solids-not-fat below the prescribed minimum of 8·5 per cent and the remaining 31 samples containing solids-not-fat about and over 8·5 per cent were certified to contain added water on the basis of the freezing point test (Hortvet). The range of added water certified on the basis of the freezing point test varied from 6 to 29 per cent. While low percentages were cases of adulterated cow's milk, the higher percentages of added water obtained in the majority of cases were due to watered buffalo's milk having been declared as cow's milk. Both the detection of adulteration and the determination of the exact percentage of added water in these cases were made possible by the freezing point test.

Of the 90 samples of buffalo's milk, 27 were certified to contain added water. Of these 27, 16 were certified on the basis of deficient solids-not-fat alone (limit 9·0 per cent) and the remaining 11 by the freezing point test.

Of the 5 mixtures of buffalo's and cow's milk, 4 were certified to contain added water. 2 of these contained solids-not-fat below the minimum for cow's milk (8·5 per cent) and the other two were certified on the basis of the freezing point test.

For certifying added water and for calculating the percentage of added water, the highest freezing point of genuine milk either cow's or buffalo's is taken as −0·530 degree Centigrade. It is remarkable that genuine cow's and buffalo's milk give practically the same freezing point irrespective of the contents of solids-not-fat or fat. Probably the freezing point is the only constant which is the same for the two milks.

The freezing points of genuine cow's and buffalo's milk were determined in the laboratory. It was found that cow's milk gave freezing points ranging from −0·530 to −0·550 degree Centigrade and buaffalo's milk from −0·535 to −0·550 degree Centigrade, the figure for buffalo's milk

generally being slightly lower than for cow's milk. The range for both milks as seen from the above figures is so narrow that for practical purposes, we can take the freezing points of the two milks to be the same. 5 per cent or more of added water can be detected with certainty in either cow's or buffalo's milk, which is not possible with any other test.

It may be pointed out that the milk samples are received with formalin added to the samples as preservative. As formalin interferes with the freezing point, it is removed before the freezing point test is carried out by the following method.

Exactly 100 c. c. of milk are measured into a 600 c. c. beaker at room temperature. About 100 c.c. of distilled water are added and the diluted milk is boiled gently. The boiling is continued until the volume is reduced to about 50 c. c. The milk is then transferred into a 100 c. c. measuring flask. The beaker is rinsed thoroughly with distilled water and the washings are added into the flask. The flask with the contents is cooled to room temperature under the tap, the volume is made up to 100 c.c. and the contents thoroughly mixed. The freezing point of genuine unformalined cow's milk was determined and the freezing points after addition of formalin and the removal of the same by the above method were also determined. The first and third values agreed within limits of experimental error, while in the second case the value was lower due to the formalin. The following figures were obtained :—

(1) Freezing point of unformalined milk : —0·530 degree Centigrade.

(2) Freezing point of the same milk with 3 drops of formalin in 2 ounces of milk : —0·584 degree Centigrade.

(3) Freezing point of the same milk after removal of formalin by the above method : —0·528 degree Centigrade.

It may be mentioned in this connection that out of the 89 samples of milk certified to contain added water during the year under report, only 54 samples could have been certified so without the freezing point test, the detection of added water in the case of the remaining 35 samples having been made possible only by the freezing point test.

Gingelly-oil :—511 samples were analysed and 33 were found to be adulterated with ground-nut oil to the extent of 10 to 80 per cent.

Ground-nut oil :—93 samples were analysed. Of these 73 samples were genuine, 4 samples proved to be 100 per cent gingelly oil and the remaining 16 were mixtures of ground-nut oil and gingelly oil.

Cocoanut oil :—One sample was analysed and it was found to be genuine.

Coffee powder .—43 samples were analysed of which 4 samples were certified as adulterated. 3 of these adulterated samples were mixtures of coffee and chicory, not labelled correctly according to the requirements of the Act. The fourth sample was a mixture of 65 per cent coffee and 35 per cent of roasted and powdered Bengal gram (whole). The sample gave a normal figure for the percentage of aqueous extract. The aqueous extract gave test for starch (not given by coffee) and the microscopic examination of the sample cleared with alkali revealed Bengal gram husk. The percentage of Bengal gram admixed was obtained from the alkalinity of the ash of the sample. This was determined by ashing 5 grams of sample at about 500 degrees Centigrade in a muffle furnace, cooling,

boiling the ash with 100 c. c. distilled water, filtering and washing the residue with hot water and titrating filtrate and washings with N/10 HCl using methyl orange as indicator.

Alkalinity of the ash of the sample (mls. N/10 HCl for 5 grms. of sample) ...18·1

Do. of whole Bengal gram, roasted and powdered ...9·1

Do. of genuine coffee (normal sample) ....23·0 (range from 22·0 to 25·0)

Tea:—37 samples were analysed and all were found to be genuine.

Ghee substitutes and other articles :—23 samples of ghee substitutes were analysed. All these had been sold or offered for sale under the name *marvo*, this name being commonly used in Madras to describe hydrogenated (hardened) oils used as an adulterant of or a substitute for ghee. 7 samples consisted of 100 per cent hydrogenated (hardened) vegetable oils and the remaining 16 samples contained ghee varying from 3 to 45 per cent in contravention of Rule 28 of the Madrs Prevention of Adulteration Rules, 1932.

Besides the samples dealt with above, 8 informal samples of food were also analysed in the laboratory during the year under report. These included 3 samples of milk, 2 samples of bread and one sample of gingelly oil from the Corporation hospitals and one sample of Indian chicory and one sample of French coffee. The samples of milk and gingelly oil were genuine and of the two samples of bread one was condemned for high acidity. The sample of Indian chicory resembled genuine Belgian and Holland chicory in many respects, but a microscopic examination proved that it was not identical with genuine chicory. The French coffee was a mixture of 45 per cent coffee and 55 per cent chicory.

A statement of the adulterated samples analysed in 1940 and of the adulterated samples of the previous year or years pending disposal on 1st January 1940 and of the action taken on these is given in Table No. II.

The total number of adulterated samples dealt with during the year was 617, of which 580 samples had been analysed and reported upon during the year under report and the remaining 37 were samples analysed during the previous year pending disposal on 1st January 1940. Out of the 617 adulterated samples, in the case of 301 samples the articles were seized and forfeited to the Corporation under Sections 9 to 12 of the Act without the vendors being prosecuted. The bulk of these samples was from street hawkers of ghee. In the case of 8 samples either the vendors were warned without prosecution, the prosecutions were withdrawn or the vendors were acquitted. In the case of 48 samples action was pending on 31st December 1940. In the case of the remaining 260 samples, convictions of the vendors were obtained.

The total number of convictions during 1940 was 260 against 243 in the previous year. The total fines levied during 1940 were Rs. 6,888/- against Rs. 7,487/- during the previous year. The average fine per conviction during 1940 was Rs. 26/- against Rs. 31/- during 1939. The average fine per conviction during 1940 has been much less than that during the previous year.

I would like to point out that, judging from the figures for the average fine, fines imposed on the vendors of adulterated foodstuffs are far from deterrent and that deterrent fines are the only means of suppressing adulteration effectively.

V. Venkatachalam, M.A., A.I.C.,

Public Analyst, C. M.

REPORT OF THE WATER ANALYST FOR 1940

I. Introduction

The total rainfall recorded in the city was 52·20 inches which was slightly in excess of the normal. In November alone, the rainfall was 22·48 inches in the city so that the Red Hills lake, the source of water supply to the city, reached its full tank level in December. The restrictions imposed in the matter of supplying water to the city were gradually relaxed. The average quantity of water filtered per day was increased gradually from 16·24 m. g. in January to 21·36 m. g. in December. A minimum of 15·0 m. g. was filtered in January and a maximum of 23·0 m. g. in December. The daily average for the year was 18·15 m. g.

Another interesting feature of the year under report was the inauguration of the Poondi Reservoir Scheme by His Excellency the Governor of Madras on 8th August 1940. This scheme "provides for the necessary reserve storage and for impounding all the available flow in the Kortalayar river." A regulator and reservoir are to be built across the river at a place called Poondi, about 12 miles from Tamarapakkam anicut. Its water area will be about 12½ sq. miles. The impounded water will be let down again into the river as and when required. The proposed reservoir will thus act "as a sort of flood moderator absorbing the initial floods and passing down the river floods of a lesser intensity for a longer period".

The water as supplied to the city during the year, though safe, was far from satisfactory from the aesthetic point of view. A radical change in the method of purification is therefore an immediate necessity. For this purpose the Council has approved the plans and estimates of the Water Works Engineer for the introduction of rapid filters at an estimated cost of Rs. 17·5 lakhs. The scheme has been submitted to the Government for approval and its sanction is awaited.

II. Scientific

A. Meteorology of the city :—The data relating to the meteorology of the city are shown in Table No. I. It will be seen therefrom that:

1. During the cold weather period (January and February) the mean atmospheric temperature varied between 74° and 77° F ; the rainfall was 0·14 inches; the hours of bright sunshine ranged from 9·0 to 11 ; and the wind velocity between 208 and 293 miles per day.

2. During the hot weather period (March to May) the mean temperature varied between 82° and 88° F; the rainfall was 5·91 inches ; the hours of bright sunshine ranged from 8 to 10·5; and the velocity of wind between 225 and 265 miles per day.

3. During the south-west monsoon season (June to September) the mean temperature varied between 83° and 88°F; the rainfall was 11·97 inches (as against 15·23 inches in a normal year); the hours of bright sunshine ranged from 5 to 8·5 ; and the velocity of wind between 215 and 275 miles per day.

4. During the north-east monsoon season (October to December) the mean temperature varied between 76° and 82°F, the rainfall was 34·18 inches (as against 29·49 inches in a normal year); the hours of bright sunshine ranged from 4 to 7·5 ; and the velocity of wind between 170 and 320 miles per day.

Summing up, the year was characterised by a fairly good rainfall of 52·2 inches, which was in excess of the average for a normal year by 3·18

inches. May was the hottest month while January was the coldest month ; November was the wettest and most cloudy month while February was the driest and brightest month of the year.

The number of samples examined for various purposes is shown in Table No. II. This year's total compared with that of the previous year would show a decrease which was due to the restoration of normal conditions in the city.

B. Observations on the physical, chemical, and bacteriological conditions of the sources of the city water supply.

(*a*) *Kortalayar river* :—Samples were taken from the river near the site for the construction of the regulator at Poondi in October and November and from near the head sluice at Tamarapakkam in May, October and November. The sample taken at 10 a. m. from the river at Poondi on 28th October was pale-green and muddy, slightly supersaturated with oxygen, alkaline and soft and contained a fair amount of solids. Bacteriologically it was of a very poor quality. The sample taken at 2-30 p. m. on 22nd November was clayey coloured and opaque, well oxygenated and alkaline, and was of poor quality bacteriologically. The samples taken from the river at Tamarapakkam on the three occasions were generally of a poor quality bacteriologically and fairly satisfactory chemically.

(*b*) *Sholavaram Lake* :—The total rainfall in this region was 58·84 inches as against 33·55 inches in 1939. The depth of water was found to be maximum in December and lowest in March. The lake water was colourless and clear in January, February, June, July, September and October, whitish and opaque in March, May and August, muddy coloured and opaque in November and greenish and opaque in December.

The lake water was supersaturated with oxygen in January, February, July, August and October and was least saturated in November. The chloride content was found to vary from a maximum of 13·0 parts in March to a minimum of 2·1 parts in November. The pH of the water was found to vary from a minimum of 7·6 in November to a maximum of 9·4 in September and October. Nitrites and nitrates were generally absent. The organic content as represented by Tidy's test, was found to vary from a minimum of 0·091 part in November to a maximum of 0·322 part per 100,000 in September. The total dissolved solids varied from a maximum of 41·8 parts in March to a minimum of 19·0 parts per 100,000 in November.

The bacterial quality of the lake water was poor almost throughout the year, the *coliform bacteria* being present in quantities varying from 1·0 c.c. to 60 c.c.

(*c*) *Red Hills Lake* (*Jones Tower*):—The total rainfall recorded in the catchment area of this lake was 51·27 inches as against 37·97 inches in 1939. The total rainfall during the last quarter of the year alone was 33·40 inches.

The full tank level was reached in December after the drought in 1938 and 1939. The last occasion when the full tank level was reached was in November 1937.

The level of water was found to decrease gradually from January to September, when it was lowest and thereafter increased till the maximum was reached in December.

The lake water was yellowish-green and opaque in January, February, March, May, July, August and October, greenish and opaque in June, September and December and whitish-green and opaque in November.

The oxygen content varied from a minimum of 4·58 c.c./l in December to a maximum of 5·88 c.c./l in January. The lake water was not found to be supersaturated with oxygen even on one occasion, the percentage of saturation varying between 78·7 and 98·5. It was found to be alkaline throughout the year, the pH varying between 8·3 and 8·9. Nitrites and nitrates were found to be absent excepting on one occasion when nitrites alone were present. The figures for oxydisable organic matter varied from a minimum of 0·114 part in November to a maximum of 0·223 part per 100,000 in June. The total dissolved solids varied from a minimum of 20·5 parts in November to a maximum of 30·3 parts per 100,000 in September.

Bacteriologically, the lake water was of highest purity in January and of very poor quality in March, May, September and December. Vibrios were detected in the lake water in May, June, July, August and October.

(*d*) *Raw water at the toe of bund in Red Hills Lake* :—Whereas the samples drawn from near the Jones Tower represented the surface water, those drawn at the toe of bund at the lake represented the water a few feet (0·98 ft.—5·63 ft.) below the surface. That this was the case was also evident from the temperature records. The temperature of the surface water (Jones Tower) was found to vary from a minimum of 25·7°C in January to a maximum of 32·8°C in September, while that of the water taken from the toe of bund ranged from a minimum of 25·6°C in January to a maximum of 31·0° C in October. Thus, there was almost always a slight difference in temperature and this difference was found to be maximum (1·6° C) in March. This showed therefore that there was always a faintly expressed thermal stratification, which has already been recorded in the studies of the lake during 1933–35.

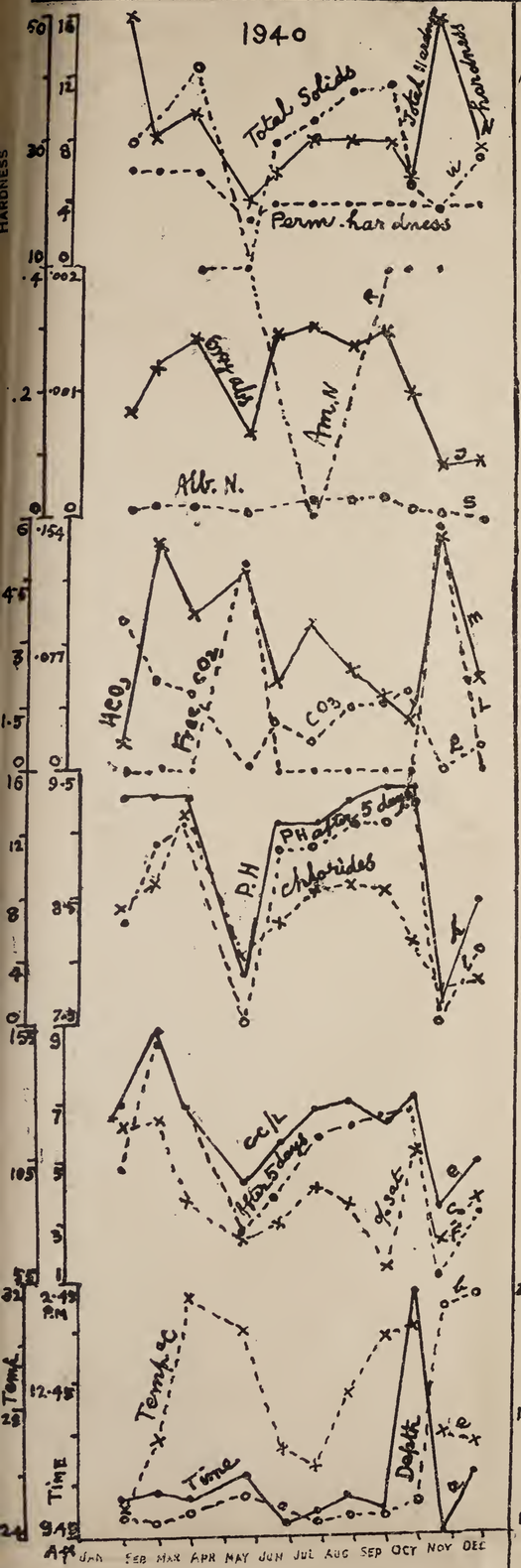
The figures for dissolved oxygen varied from a minimum of 4·92 c.c./l in November to a maximum of 5·67 c.c./l in January and those for the percentage of saturation varied from a minimum of 83·7 in November to a maximum of 100·1 in March. The hydrogen ion concentration expressed in terms of pH varied from a minimum of 8·3 in January and November to a maximum of 8·9 in October. Nitrites and nitrates were generally absent. The organic content (Tidy's) varied from a minimum of 0·118 part in December to a maximum of 0·208 in June.

Bacteriologically the water was of highest purity in January and of lowest purity in June.

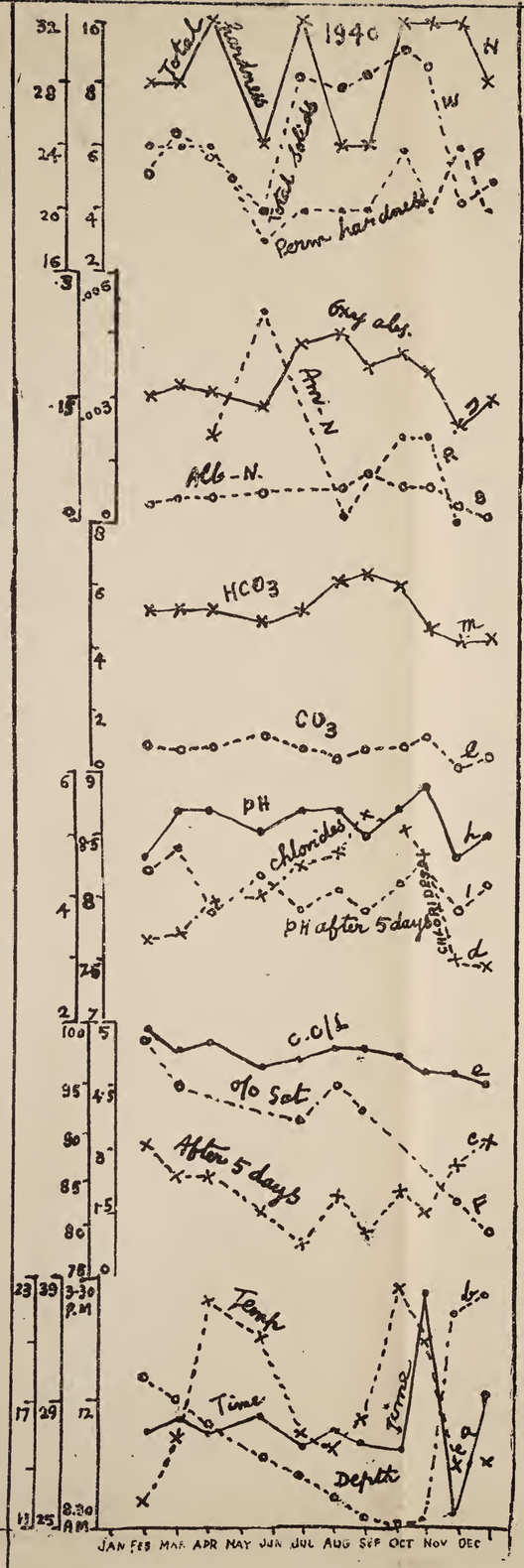
(*e*) *Raw water after rough filtration at Red Hills* :—Samples collected from this place represent the water just before its entry into the covered conduit which carries the water to the works at Kilpauk. They resembled generally the samples drawn from the toe of bund excepting for slight differences noticed in temperature, content of dissolved oxygen and percentage of saturation.

(*f*) *Raw water, Kilpauk end of the raw water conduit (prior to sand filtration)* :—A study of the results of examination of the samples drawn on the same date from the roughing filter and from the Kilpauk end of the raw water conduit shows that they differ in several respects. The oxygen content, the percentage of saturation and the pH figures are generally less than the corresponding figures for samples drawn from the roughing filter.

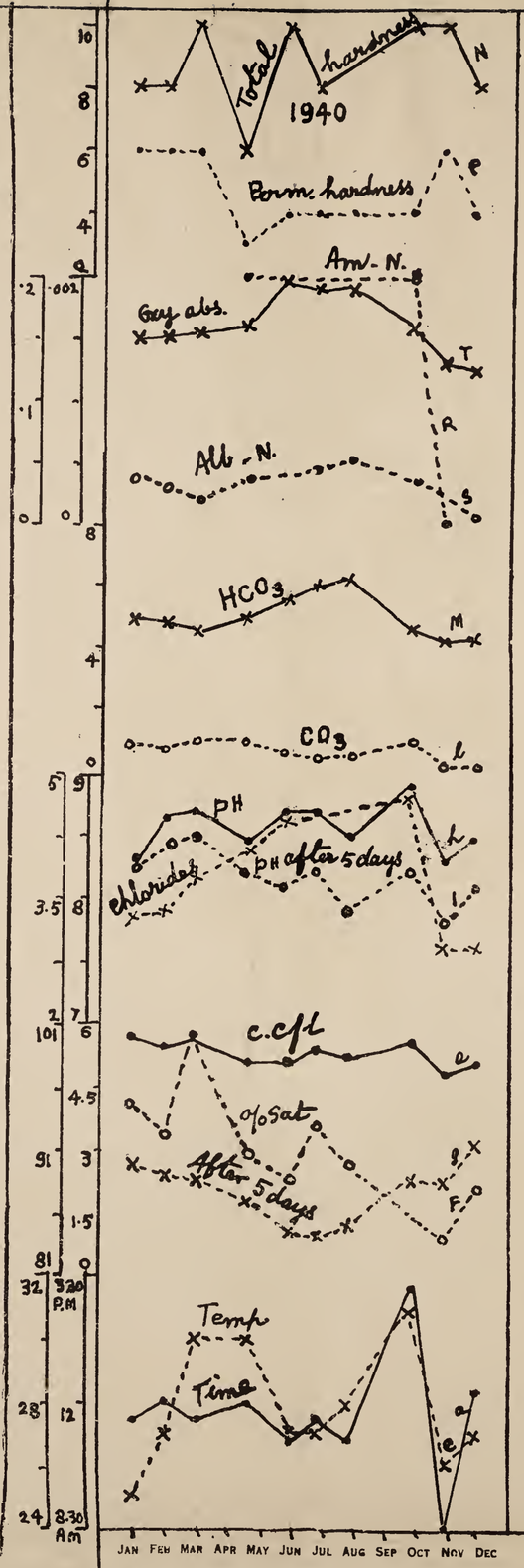
The seasonal variations in some of the important chemical constituents of raw water are shown in Table No. III. Ammoniacal nitrogen was highest in January and lowest in February to April, July and November.



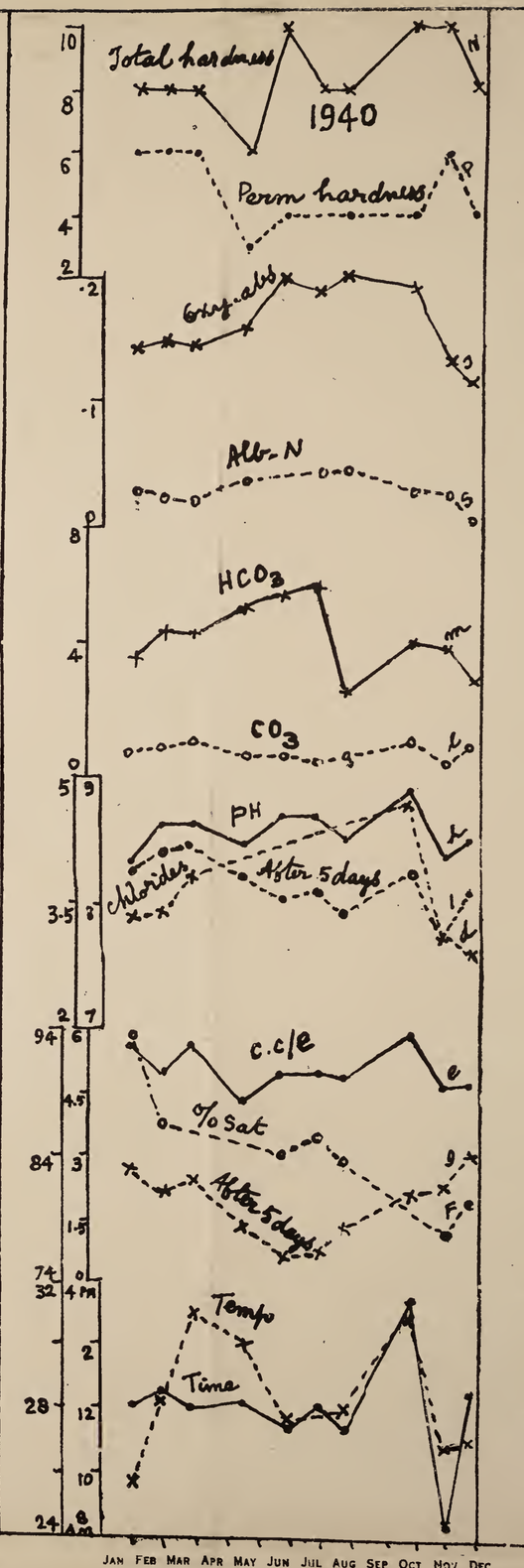
1. SHOLAVARAM LAKE.



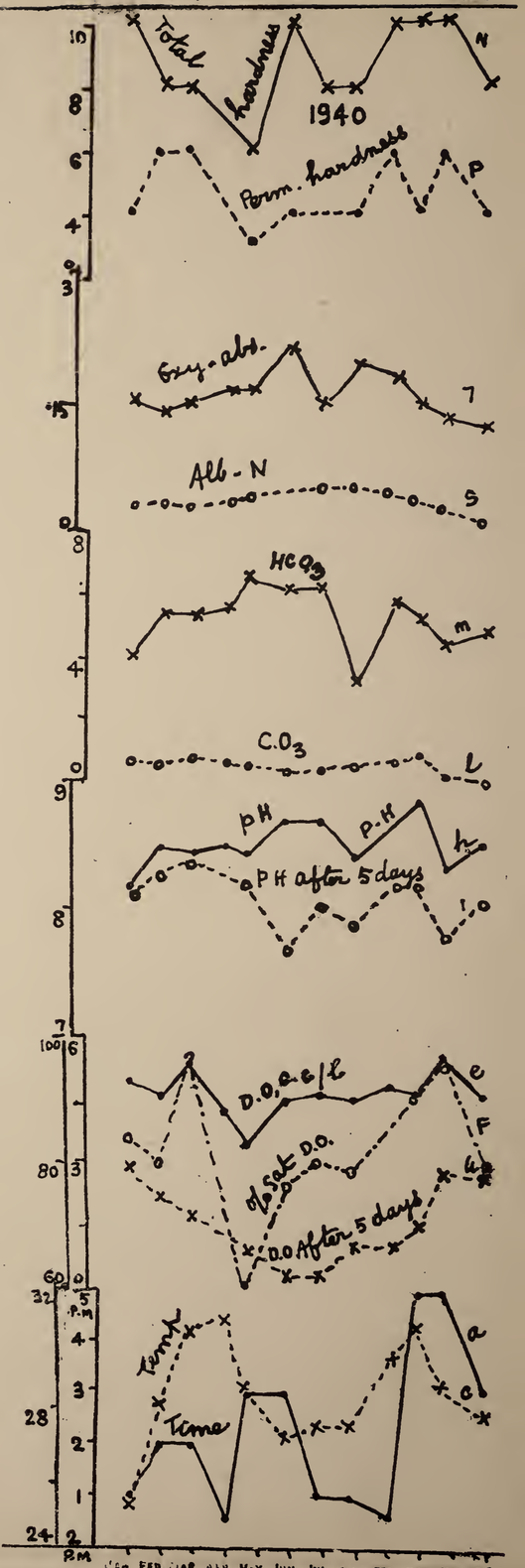
2. RED HILLS LAKE (Jones Tower).



3. RED HILLS LAKE (Toe of Bund).



4. RED HILLS LAKE (A. R. F.)



5. RAW WATER KILPAUK END.

LITHO BY SOLDEN & CO., MADRAS

Albuminoid nitrogen was found to be highest in September and lowest in January, while oxygen absorbed was highest in August and lowest in December.

Bacteriologically, the raw water was of varying quality being of highest purity in January and February.

III. Works Efficiency

(*a*) *Filtration* :—As in last year, there were 17 sand filters, each filter containing only a few inches of sand. Of these, 7 to 9 beds were working at a time with no fixed rate of filtration. A maximum of 23·0 m.g.d. was filtered in December and a minimum of 15·0 m.g.d. in January and the average for the year was 18·15 m.g.d.—Table No. V.

(*b*) *Bacteriological and chemical examination of filtered raw water* :— Table No. III contains some of the important chemical results of the mixture of unchlorinated filtered water. It will be seen therefrom that the organic content (Tidy's) was highest in September and lowest in December as in last year. The percentage reduction of organic matter over raw water was found to be highest in December and lowest in July—Table No. VI.

Bacteriologically, the mixture of filtrates was of very poor quality —Table No. IV.

(*c*) *Chlorination* :—The maximum, minimum and mean dose of chlorine applied to the mixture of filtrates are shown in Table No. V. The dosage of chlorine was found to vary during different seasons of the year. A maximum of 1·25 p. p.m. was added in January and November and a minimum of 0·79 p.p.m was added in February and the average for the year was 1·00 p.p.m. The quantity of chlorine used and its cost are also shown in the above Table.

(*d*) *Bacteriological and chemical examination of filtered water after chlorination* (*Test tap samples*) :—The percentage of samples containing no *coliform bacteria* in 60 c.c. was highest in January, September, November and December and lowest in August—Table No. IV.

Ammoniacal nitrogen was highest in August and lowest in January and February. Albuminoid nitrogen was highest in August and lowest in March. The figure for oxygen absorbed was highest in August and lowest in December —Table No. III.

(*e*) *Distribution system* :— *Coliform bacteria* were absent in 78·9 per cent of the samples in March and in 17·6 per cent of the samples in April —Table No. IV.

Chemically ammoniacal nitrogen was found to be highest in July and lowest in March and April. Albuminoid nitrogen was highest in August and lowest in February. Oxygen absorbed was highest in June and lowest in February — Table No. III. The percentage reduction of organic matter (Tidy's) over raw water was found to be maximum in February and minimum in July —Table No. VI.

S. V. Ganapati, M. Sc., A.I.C.,
Water Analyst, C. M.

APPENDIX

VITAL STATISTICS. ANNUAL FORM A.

Showing the Meteorological Data for 1940—Madras.

Latitude :— 13·4° N Longitude :—80·15° E

Months.	Barometer.	Reading of Thermometer.						Difference between dew point temperature and mean air temperature.	Degree of humidity complete saturation being 100.	Prevailing direction of wind.	Rainfall.		
		Dry.				Dew point.							
	Mean Daily reading reduced to 32° F Sea Level and gravity.	Maximum.	Minimum.	Meandaily range.	Meandaily value.	Meandaily value.	Mean Maximum solar radiation.				Number of days on which rain fell.	Total fall of rain during each month.	Maximum fall of rain during 24 hours.
January ...	29·967	83·0	66·6	16·4	74·4	62·1	Solar radiation temperature is not being recorded.	12·3	68	N E	3	0·14	0·06
February ...	·946	85·3	68·3	17·0	76·3	65·7		10·6	72	N N E	...	0·00	0·00
March ...	·820	90·2	76·6	13·6	82·3	71·0		11·3	72	S S E	2	0·12	0·10
April ...	·827	91·8	77·4	14·4	84·0	74·4		9·6	75	S S E	1	0·48	0·48
May ...	·647	97·3	82·0	15·3	87·6	73·5		14·1	68	S	3	5·31	4·38
June ...	·644	98·0	81·3	16·7	87·5	72·6		14·9	66	S W	5	0·96	0·48
July ...	·686	95·5	79·9	15·6	86·0	70·3		15·7	64	S W by W	19	4·12	1·59
August ...	·692	94·8	78·7	16·1	84·9	71·0		13·9	67	S W	14	4·04	1·10
September ...	·764	93·2	77·9	15·3	83·9	73·0		10·9	73	S S W	10	2·85	1·18
October ...	·845	89·2	75·4	13·8	81 6	72·9		8·7	78	N	14	7·76	3·47
November ...	·824	85·9	73·2	10·7	77·7	73·0		4·7	87	N by E	21	20 90	5·77
December ...	·949	83·5	71·2	12·3	76·6	69·1		7·5	79	N	12	5·52	1·16
Annual Mean	29·801	90·5	75·7	14·8	81·9	70·7		11·2	72	S W by S	104	52·20	5·77

Showing **Births** Registered by Divisions during 1940.

1	2	3			4			5			6	7	8	9			10	11
Divisions	Districts.	Population according to the census of 1931.			No. of Births Registered.			Ratio of Births per 1000 of Population.			Number of Males born to every 100 Females born.	Excess of births over deaths per 1000 of population.	Excess of deaths over births per 1000 of population.	Mean Ratio of Births per 1000 during previous five years.			Still Births.	Illegitimate Births.
		Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.				Males.	Females.	Total.		
1					328	361	689				90·8						24	10
2					329	326	655				100·9						22	7
3					883	764	1647				115·7						77	3
4					716	710	1426				100·8						61	3
5					705	710	1415				99·2						79	5
6					205	214	419				95·8						21	26
7					347	340	687				102·1						28	6
8					158	142	300				111·3						11	3
9					316	284	600				111·2						21	...
10					187	214	401				87·4						20	1
11					394	354	748				111·2						26	...
12					187	153	340				122·2						11	2
13					579	574	1153				100·8						42	...
14					369	373	742				98·9						25	13
15					168	182	350				92·3						13	5
16					234	230	464				101·7						24	3
17					651	693	1344				93·9						43	7
18					423	431	854				98·1						29	...
19					722	685	1407				105·4						49	...
20					451	412	863				109·4						35	...
21					464	486	950				95·4						38	...
22					382	341	723				112·0						33	...
23					495	476	971				103·9						29	3
24					273	265	538				103·0						20	1
25					450	454	904				99·1						28	1
26					456	413	869				110·4						48	3
27					507	507	1014				100·0						104	...
28					398	338	736				117·7						21	2
29					258	261	519				98·8						16	1
30					433	382	815				113·3						35	...
31					589	485	1074				121·4						60	...
32					533	490	1023				108·7						55	...
33					366	330	696				110·9						14	...
34					349	326	675				107·0						30	...
35					881	854	1735				103·1						77	1
36					420	424	844				99·0						40	4
37					465	471	936				98·7						41	2
38					340	327	667				103·9						21	...
39					312	281	593				111·0						24	...
40					233	219	452				106·3						8	...
	Total ...	3,41,223	3,06,007	6,47,230	16,956	16,282	33,238	49·69	53·21	51·35	104·14	10·99	...	46·17	49·03	47·53	1,403	112

ANNUAL FORM No. II.

Showing Births registered during each month in 1940.

1	2	3												4
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total Births registered during 1940.
1		42	60	62	61	57	48	76	51	54	54	59	65	689
2		57	57	59	60	44	37	50	59	59	53	57	63	655
3		126	113	130	124	121	118	160	148	143	123	167	174	1647
4		107	105	145	146	118	104	98	142	101	118	123	119	1426
5		109	100	125	137	110	118	103	123	118	100	140	132	1415
6		30	33	34	38	41	23	39	27	34	34	41	45	419
7		35	51	55	65	50	57	44	58	71	54	85	62	687
8		18	19	26	18	27	24	22	30	34	22	34	26	300
9		41	48	47	60	44	50	60	58	52	26	64	50	600
10		21	27	27	35	40	32	36	43	30	30	51	29	401
11		51	47	57	57	48	71	65	90	66	51	79	66	748
12		19	21	34	27	23	24	17	40	40	26	38	31	340
13		77	85	95	96	101	87	91	107	104	98	109	103	1153
14		52	39	46	54	65	53	68	69	81	72	77	66	742
15		26	29	35	28	26	22	27	30	36	33	36	22	350
16		34	13	36	38	48	29	42	51	49	34	49	41	464
17		115	111	124	107	106	109	127	106	114	105	108	112	1344
18		68	59	69	65	59	59	73	95	63	87	73	84	854
19		127	108	105	110	120	120	114	124	123	110	148	98	1407
20		79	58	52	86	79	64	107	69	73	62	76	58	863
21		65	70	87	93	57	81	94	70	73	69	122	69	950
22		51	42	50	65	42	71	56	69	79	58	79	61	723
23		65	65	68	101	73	73	79	102	83	83	98	81	971
24		41	39	30	55	49	45	47	52	33	39	59	49	538
25		68	57	71	80	87	69	76	75	72	70	98	81	904
26		67	71	54	75	62	67	70	86	75	88	77	77	869
27		62	47	82	90	79	92	82	90	78	90	120	102	1014
28		60	39	46	71	65	58	59	80	81	48	88	41	736
29		49	33	38	47	42	56	40	42	50	37	43	42	519
30		61	51	55	69	70	55	76	78	69	60	70	101	815
31		53	74	74	107	111	94	82	99	92	74	119	95	1074
32		62	52	92	100	133	71	78	94	104	71	99	67	1023
33		50	48	47	51	75	67	46	55	68	70	80	39	696
34		42	58	54	60	57	49	53	66	65	44	55	72	675
35		123	117	123	148	161	142	141	173	146	132	168	161	1735
36		53	54	70	75	70	57	58	86	65	84	88	84	844
37		57	61	74	73	81	72	102	90	88	76	87	75	936
38		51	43	42	53	54	52	43	67	65	61	70	66	667
39		40	44	39	59	50	43	43	59	43	67	53	53	593
40		25	33	26	45	38	33	32	44	43	43	53	37	452
	Total ...	2379	2281	2585	2929	2783	2596	2776	3097	2917	2656	3340	2899	33,238

Showing Deaths registered by Divisions in 1940

1	2	3	4	5			6			7	8												9			10		
Divisions.	Districts.	Area in acres	Density per acre,	Population according to the Census of 1931.			No. of deaths registered.			No. of Deaths of Males to every 100 deathes of females.	Deaths from 1,000 of population from												All causes,			Mean Ratio of deaths per 1000 during previous 5 years.		
				Males.	Females.	Total.	Males,	Females.	Total.		Cholera.	Small.pox	Measles.	Plague.	Malaria.	Enteric.	Other fevers.	Dysentery and Diarrhœa.	Tuberculosis	Other Respiratory Diseases.	Injuries,	Deaths from child birth	All other causes.	Males.	Females	Total.	Males.	Females.	Total.
1		1674·11					359	351	710	102·3																		
2		284·42					202	196	398	103·1																		
3		283·52					522	619	1141	84·3																		
4		335·94					635	647	1282	98·1																		
5		853 06					619	614	1233	100 8																		
6		98·94					191	204	395	93·6																		
7		91·97					273	279	552	97·8																		
8		204·80					128	96	224	133·3																		
9		67·26					258	262	520	98·5																		
10		80·00					161	136	297	118·4																		
11		95 42					455	378	833	120·4																		
12		66·50					142	152	294	93·4																		
13		149·25					433	474	907	91·4																		
14		98·11					339	288	627	117·7																		
15		217·66					600	290	890	206·9																		
16		69·76					214	227	441	94·3																		
17		1339·58					520	568	1088	91·6																		
18		1224·13					375	384	759	97·7																		
19		220·40					562	516	1078	109·0																		
20		334·91					366	355	721	103·1																		
21		747·20					490	439	929	111·6																		
22		558·98					176	189	365	93·1																		
23		362·69					362	351	713	103·1																		
24		126·72					226	213	439	106·1																		
25		88·58					313	363	676	86·3																		
26		203·58					316	332	648	95·2																		
27		494·66					151	206	357	73·3																		
28		863·68					245	243	488	100:8																		
29		884 54					175	191	366	91·6																		
30		143·23					358	290	648	123·4																		
31		736·70					401	410	811	97·8																		
32		191·81					270	284	554	95·1																		
33		112·64					250	250	500	100 0																		
34		89·02					273	289	562	94·4																		
35		679.68					643	697	1340	92·3																		
36		535·10					266	298	564	89·2																		
37		1052·61					314	326	640	96·3																		
38		1152·00					236	182	418	129·7																		
39		275·14					191	185	376	103·2																		
40		1725·14					167	174	341	96·0																		
	Total ...	18813·44	34·4	341223	306007	6,47,230	13177	12948	26125	101·8	—	0·05	00·03	—	0·04	0·19	2·96	5 ·18	1·64	9·29	0·36	7·94	20·22	38·62	42·31	40·36	39·08	41·62	40·29

Showing deaths registered by divisions during each month in 1940.

1	2	3												4
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total Deaths registered during 1940.
1		71	59	51	43	58	51	52	59	51	52	59	104	710
2		43	29	21	32	27	23	34	39	24	30	42	54	398
3		122	95	67	76	88	73	96	96	85	98	93	152	1141
4		110	113	103	100	94	95	107	102	83	88	107	180	1282
5		102	103	71	99	103	88	98	84	82	100	126	177	1233
6		35	25	29	29	23	28	31	28	38	23	34	72	395
7		51	40	55	28	54	43	38	45	29	39	55	75	552
8		15	17	18	22	18	15	16	18	22	15	22	26	224
9		51	44	41	36	42	37	51	27	33	48	45	65	520
10		26	26	23	23	26	17	19	24	25	21	27	40	297
11		64	84	67	64	58	60	85	74	57	59	82	79	833
12		31	22	31	32	23	20	28	26	19	17	18	27	294
13		74	73	63	77	73	96	63	72	57	66	89	104	907
14		48	41	38	50	41	48	49	72	57	37	73	73	627
15		79	72	62	58	74	78	83	70	62	72	87	93	890
16		41	35	33	37	39	28	37	38	36	35	39	43	441
17		99	90	64	90	94	84	99	85	73	90	83	137	1088
18		84	62	60	65	47	47	74	55	55	42	65	103	759
19		128	77	75	85	86	82	80	90	66	93	108	108	1078
20		74	54	47	70	61	47	56	45	45	49	76	97	721
21		92	82	49	72	76	62	85	75	54	66	80	136	929
22		28	25	25	34	29	20	31	36	24	41	31	41	365
23		67	61	40	56	60	54	55	55	52	50	56	107	713
24		29	31	45	33	40	30	46	32	31	26	47	49	439
25		60	47	55	49	42	47	76	67	54	51	57	71	676
26		53	49	45	46	50	45	52	56	51	56	63	82	648
27		29	30	31	39	26	29	33	30	24	26	23	37	357
28		54	37	42	37	50	32	32	53	28	32	46	45	488
29		37	31	24	28	25	23	25	33	28	34	31	47	366
30		44	37	48	65	58	62	52	59	57	46	45	75	648
31		66	62	66	67	69	75	69	53	52	54	78	100	811
32		49	45	47	44	65	47	44	44	37	31	61	40	554
33		43	37	39	48	42	35	47	37	33	30	50	59	500
34		46	33	30	42	41	44	61	51	42	43	46	83	562
35		99	106	103	109	126	111	105	102	86	101	125	167	1340
36		42	50	39	51	47	51	45	43	38	49	50	59	564
37		47	40	39	38	50	58	56	78	45	43	66	80	640
38		39	38	31	36	21	36	40	34	20	24	38	61	418
39		31	33	25	34	34	24	34	28	19	30	38	46	376
40		31	20	16	22	36	37	23	29	21	32	36	38	341
	Total —	2334	2055	1858	2066	2116	1982	2207	2144	1795	1930	2397	3232	26,125

VITAL STATISTICS. ANNUAL FORM No. V

Showing deaths registered according to Class by divisions in 1940.

1	2	3							4							5						
Divisions.	Districts.	Population as per census of 1931.							Number of Deaths registered.							Ratio of Deaths per 1000 of population.						
		Europeans.	Anglo-Indians.	Indian Christians.	Hindus	Mohamadans.	Others.	Total.	Europeans.	Anglo-Indians.	Indian Christians.	Hindus.	Muhamedans.	Others.	Total.	Europeans.	Anglo-Indians.	Indian Christians.	Hindus.	Muhamedans.	Others.	Total.
1									—	1	56	636	17	...	710							
2									1	23	63	244	67	—	398							
3									—	1	32	1013	95	—	1141							
4									—	7	30	1155	90	—	1282							
5									—	1	31	970	231	—	1233							
6									—	2	4	177	212	—	395							
7									—	—	26	494	31	1	552							
8									1	5	11	195	11	1	224							
9									—	15	46	381	78	—	520							
10									—	—	5	226	66	—	297							
11									—	9	23	733	68	—	833							
12									—	—	1	289	4	—	294							
13									—	—	4	892	11	—	907							
14									—	—	2	620	5	—	627							
15									5	19	38	788	40	—	890							
16									—	—	—	440	1	—	441							
17									—	1	26	829	232	—	1088							
18									—	6	33	596	124	—	759							
19									—	8	32	1017	21	—	1078							
20									—	13	51	633	24	—	721							
21									—	12	69	822	26	—	929							
22									1	5	19	336	4	—	365							
23									2	28	61	581	40	1	713							
24									—	8	30	375	26	—	439							
25									—	3	39	600	34	—	676							
26									1	22	79	445	100	1	648							
27									2	6	30	302	17	—	357							
28									3	4	41	405	35	—	488							
29									—	4	48	312	2	—	366							
30									—	—	22	420	206	—	648							
31									—	4	15	465	326	1	811							
32									—	3	7	408	136	—	554							
33									—	—	1	494	5	—	500							
34									—	—	3	410	149	—	562							
35									—	3	17	1047	273	—	1340							
36									2	11	46	423	82	—	564							
37									—	—	11	627	2	—	640							
38									—	1	8	394	5	—	418							
39									1	2	34	329	0	—	376							
40									1	4	50	280	6	—	341							
	Total ...	3,581	10,657	39,884	5,20,176	70,031	2,901	6,47.230	20	231	1,144	21,803	2,922	5	26,125	5·59	29·68	28·68	41·91	41·72	1·72	40·36

Showing deaths registered according to Age by divisions in 1940.

1	2	3		4		5		6		7		8		9		10		11		12	
Divisions.	Districts.	Under 1 year.		1 year and under 5 years.		5 years and under 10 years.		10 years and under 15 years.		15 years and under 20 years.		20 years and under 30 years.		30 years and under 40 years.		40 years and under 50 years.		50 years and under 60 years.		60 years and upwards.	
		Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1		87	84	38	45	13	14	4	4	5	11	13	30	21	22	44	27	34	30	100	84
2		57	54	17	28	9	9	5	4	5	1	11	20	13	12	12	10	24	7	49	51
3		170	151	81	109	20	26	11	5	6	16	28	67	36	50	37	28	36	44	97	123
4		176	164	112	105	17	13	7	7	14	18	44	41	34	45	51	51	45	48	135	155
5		166	158	107	83	13	19	12	6	13	20	48	63	34	50	49	50	57	47	120	118
6		49	54	42	34	2	4	...	1	6	12	11	26	21	18	12	11	13	11	35	33
7		78	78	47	37	8	9	3	3	5	13	11	31	13	23	25	25	18	13	65	47
8		38	20	12	14	6	1	...	4	4	8	9	4	9	7	11	8	15	10	24	20
9		75	62	33	42	5	4	1	6	6	5	20	24	13	25	17	17	31	26	57	51
10		37	42	18	16	2	4	...	4	5	5	17	8	11	11	19	11	20	12	32	23
11		85	65	41	53	12	8	8	10	4	15	48	43	56	40	63	43	51	30	87	68
12		33	36	18	22	7	...	1	3	...	8	7	16	10	13	18	7	23	16	25	31
13		125	111	65	69	16	20	7	9	12	20	20	51	34	44	40	34	35	27	79	89
14		91	62	55	42	7	5	2	4	3	12	25	36	34	28	35	18	32	16	55	65
15		38	43	46	40	22	22	13	6	20	21	111	38	115	26	101	31	71	21	63	42
16		52	69	50	33	5	10	1	5	7	5	10	27	19	26	17	10	11	14	42	28
17		157	149	95	118	16	25	12	6	12	17	41	54	27	38	36	29	32	31	92	101
18		111	93	59	84	20	12	7	4	5	13	21	40	27	26	22	22	31	19	72	71
19		156	149	97	87	12	8	8	9	9	23	30	45	36	29	58	27	41	28	115	111
20		98	90	73	61	10	7	3	6	9	7	21	35	20	23	40	22	29	25	63	79
21		121	105	80	74	8	13	5	9	5	9	34	39	41	31	51	37	40	32	105	90
22		63	42	20	24	1	10	1	6	5	14	10	15	12	19	19	8	18	10	27	41
23		94	96	60	61	18	8	7	6	5	11	28	26	29	21	25	25	39	30	57	67
24		47	54	43	32	9	7	3	3	1	7	13	22	15	17	21	11	22	17	52	43
25		92	114	62	59	19	13	3	10	8	7	25	31	20	21	23	22	19	19	42	67
26		91	78	60	60	4	12	5	9	9	5	24	30	20	28	26	15	25	25	52	70
27		68	61	13	25	4	7	2	...	1	9	5	39	11	23	13	16	16	11	18	15
28		86	50	43	46	11	7	4	5	3	5	7	27	15	27	15	16	21	11	40	49
29		50	34	25	30	2	6	3	2	2	7	6	20	6	14	12	6	14	5	55	67
30		97	65	56	50	13	7	3	6	5	10	24	36	42	25	28	18	25	17	65	56
31		120	107	57	47	11	22	2	8	3	14	37	47	26	37	43	27	25	21	77	80
32		86	71	42	38	5	6	3	7	7	18	22	55	23	24	15	16	25	17	42	52
33		75	77	48	39	12	7	3	4	4	9	5	15	14	21	14	18	23	14	52	46
34		78	74	36	43	14	10	6	3	6	10	20	31	15	20	22	16	26	13	50	69
35		201	175	116	111	18	20	8	9	10	11	48	58	40	65	46	44	55	44	101	160
36		68	79	39	52	5	7	5	8	2	4	23	22	26	29	18	18	22	14	58	65
37		107	83	47	65	21	16	6	6	3	11	19	25	10	20	19	16	23	21	59	63
38		70	39	33	38	7	8	5	4	2	7	11	17	13	13	20	8	18	15	57	33
39		59	45	30	26	3	3	4	3	2	6	19	21	9	8	21	9	13	13	40	51
40		60	42	22	30	7	9	2	3	2	3	8	14	8	9	10	9	10	9	38	46
	Total ...	3612	3225	2038	2072	414	418	185	217	235	427	925	1272	978	1028	1168	836	1128	833	2494	2620
	Ratio per 1000 ...	213·0	198·1	66·1	67·7	11·6	12·3	5·5	6·7	6·9	12·7	12·9	18·6	16·5	22·2	30·9	29·7	58·1	51·7	210·4	268·8

Annual Form No. VII—"Cholera" Nil.

VITAL STATISTICS. ANNUAL FORM No. VIII.

Showing Deaths from Small-pox registered by Divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1000 of population. Males.	Females.	Total.	Mean Ratio per 1000 during previous five years.
1		2	1	3	1	1	1	—	...	1	...	...	...	3	7	10				
2		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
3		...	—	—	—	—	1	—	...	1	—	—	—	1	1	2				
4		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
5		1	—	—	—	—	—	—	...	—	—	—	—	1	—	1				
6		1	—	—	—	—	—	—	...	—	—	—	—	—	1	1				
7		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
8		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
9		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
10		...	—	—	—	1	1	—	...	—	—	—	—	1	1	2				
11		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
12		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
13		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
14		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
15		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
16		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
17		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
18		...	—	—	—	1	—	—	...	—	—	—	—	1	—	1				
19		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
20		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
21		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
22		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
23		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
24		...	—	1	—	—	—	—	...	—	—	—	1	2	—	2				
25		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
26		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
27		...	—	1	—	1	—	—	...	—	—	—	—	1	1	2				
28		...	—	1	—	—	—	—	...	—	—	—	—	1	—	1				
29		...	—	—	—	—	—	—	...	—	—	2	—	1	1	2				
30		...	—	—	—	—	—	—	...	—	—	—	—	1	1	1				
31		...	—	—	1	—	—	—	...	—	—	—	—	—	—	—				
32		...	1	—	—	—	—	—	...	1	1	—	—	—	2	2				
33		...	—	—	—	—	—	—	1	1	—	—	—	1	2	3				
34		...	—	—	1	—	—	—	...	—	—	—	—	1	...	1				
35		...	—	—	—	—	—	—	...	—	—	—	—	...	—	...				
36		...	—	—	—	—	—	—	...	—	...	—	—	...	...	...				
37		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
38		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
39		...	—	—	—	—	—	—	...	—	—	—	—	—	—	—				
40		...	—	—	...	—	—	—	...	—	—	—	—	—	—	—				
	Total ...	4	2	6	3	4	3	—	1	4	1	2	1	14	17	31	0·04	0·06	0·05	0.29

Showing Deaths from Measles registered by divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October,	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1000 of population. Males.	Females.	Total.	Mean ratio per 1000 during previous five years.
1		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
2		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
3		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
4		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
5		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
6		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
7		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
9		...	...	...	..	...	...	...	...	...	...	...	...	...	...	—				
10		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
11		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
12		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
13		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
14		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
15		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
16		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
17		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
18		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
19		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
20		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
21		...	—	...	...	...	...	...	...	...	...	...	—	...	...	—				
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
23		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
24		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
25		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
26		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
27		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
28		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
29		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
30		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
31		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
32		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
33		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
34		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
35		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
36		...	...	...	...	...	...	...	...	...	...	...	...	...	—	—				
37		...	...	2	...	...	...	...	...	...	...	...	...	1	1	2				
38		...	...	...	...	...	...	...	...	...	...	...	...	...	—	—				
39		...	...	...	...	...	...	...	...	...	...	...	...	...	—	—				
40		...	...	...	...	...	...	...	...	...	...	...	...	...	...	—				
	Total ...	...	...	2	...	...	...	...	...	...	—	...	...	1	1	2	0·003	0·003	0·003	0·008

Showing Deaths from Enteric Fever registered by divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1,000 of population. Males.	Females.	Total.	Mean Ratio per 1,000 during previous five years.
1		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
2		...	...	1	...	...	...	...	1	...	...	...	...	1	1	2				
3		...	...	...	1	...	...	...	...	...	...	1	...	1	1	2				
4		2	...	...	...	...	...	...	...	...	1	...	...	2	1	3				
5		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
6		...	...	...	...	...	...	...	1	...	...	...	...	...	1	1				
7		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
8		...	...	...	1	...	...	...	1	...	...	...	...	1	1	2				
9		...	1	1	1	...	1	...	...	...	...	...	...	2	2	4				
10		...	1	...	...	...	...	...	...	...	...	...	...	1	...	1				
11		...	1	1	1	2	2	...	1	...	...	...	...	6	2	8				
12		1	...	...	...	...	...	...	...	...	...	...	...	...	1	1				
13		1	1	2	...	...	3	1	...	...	...	...	...	5	3	8				
14		...	...	...	1	...	...	...	...	1	...	...	...	...	2	2				
15		1	...	...	...	...	...	1	4	2	1	...	...	5	4	9				
16		1	...	...	...	...	...	...	...	...	...	...	...	1	...	1				
17		2	1	2	...	...	2	...	...	1	...	1	...	6	3	9				
18		2	2	...	2	...	...	...	...	...	1	...	...	2	5	7				
19		1	...	1	1	...	...	1	...	...	...	...	...	1	3	4				
20		1	2	...	...	2	1	1	...	...	...	...	1	2	6	8				
21		1	...	1	...	...	...	...	1	...	...	...	...	1	2	3				
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
23		1	3	...	1	...	...	1	...	...	1	...	...	2	5	7				
24		1	1	1	...	...	...	...	...	...	...	...	1	2	2	4				
25		...	...	...	...	...	—	...	...	1	...	...	...	.	1	1				
26		...	2	...	1	...	1	...	...	1	...	...	...	3	2	5				
27		...	...	...	...	...	...	...	1	...	...	...	...	1	...	1				
28		...	...	1	...	...	...	...	...	...	...	1	...	2	...	2				
29		...	...	1	...	...	1	...	1	...	...	...	...	...	2	2				
30		1	...	...	...	2	...	...	...	...	...	...	1	...	4	4				
31		...	2	...	...	...	...	...	1	...	...	...	...	3	1	4				
32		...	...	...	1	...	...	...	...	...	1	...	...	1	1	2				
33		1	...	...	1	...	...	...	1	...	1	...	...	1	3	4				
34		...	...	...	...	...	...	...	...	...	...	...	1	1	...	1				
35		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
36		...	2	...	...	...	...	1	...	...	1	...	1	3	2	5				
37		...	...	...	...	1	2	...	...	...	...	...	...	1	2	3				
38		...	1	...	...	...	...	...	...	...	...	...	1	...	2	2				
39		...	1	...	...	...	...	...	...	...	1	...	...	2	...	2				
40		...	...	1	...	...	...	...	...	...	...	...	...	1	...	1				
	Total ...	17	21	13	12	7	13	6	13	6	8	3	6	60	65	125	0·18	0·21	0·19	0·24

Showing Deaths from Malaria registered by Divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1000 of population. Males.	Females.	Total.	Mean Ratio per 1000 during previous five years.
1		...	—	1	—	—	—	—	—	—	—	1	—	1	1	2				
2		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
3		...	—	—	—	—	—	1	—	—	—	—	—	...	1	1				
4		1	—	—	—	—	—	1	—	—	—	—	1	...	3	3				
5		...	—	—	—	—	—	—	—	—	—	1	—	...	1	1				
6		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
7		...	—	1	—	—	—	—	—	—	—	—	—	...	1	1				
8		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
9		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
10		...	1	—	—	—	—	—	—	—	—	—	—	1	...	1				
11		...	—	—	—	—	—	—	—	—	—	1	1	2	...	2				
12		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
13		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
14		...	1	—	—	—	—	—	—	—	—	—	—	1	...	1				
51		2	—	—	—	—	1	1	—	—	—	—	1	5	...	5				
16		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
17		...	—	1	—	—	—	—	—	—	—	1	—	2	...	2				
18		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
19		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
20		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
21		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
22		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
23		1	—	—	—	—	1	1	—	—	—	—	—	...	3	3				
24		...	—	1	—	—	—	—	—	—	—	—	—	1	...	1				
25		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
26		...	—	—	—	—	—	—	—	—	1	—	—	1	...	1				
27		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
28		...	—	—	—	—	1	—	—	—	—	—	—	1	...	1				
29		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
30		...	—	1	—	—	—	—	—	—	—	—	—	...	1	1				
31		...	—	—	—	—	—	—	—	—	—	1	—	1	...	1				
32		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
33		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
34		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
35		...	—	—	—	—	—	—	—	1	—	—	—	1	...	1				
36		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
37		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
38		...	—	—	—	—	—	—	—	—	1	—	—	1	...	1				
39		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
40		...	—	—	—	—	—	—	—	—	—	—	—	...	...	...				
	Total ...	4	2	5	—	—	3	4	—	1	2	5	3	18	11	29	0·05	0·04	0·04	0·14

Showing Deaths from Tubercle including Tubercle of lungs registered during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1000 of population. Males.	Females.	Total.	Mean Ratio per 1000 during previous five years.
1		...	3	...	1	2	1	...	3	...	4	2	4	11	9	20				
2		...	4	—	...	...	...	2	...	...	1	1	1	5	4	9				
3		2	2	1	1	1	1	2	4	...	1	...	1	9	7	16				
4		6	5	4	5	1	6	3	6	6	1	4	2	24	25	49				
5		5	6	2	5	3	6	3	3	3	4	2	3	24	21	45				
6		...	1	...	...	1	—	...	1	1	...	1	1	3	3	6				
7		1	4	2	1	...	...	1	1	...	2	1	2	9	6	15				
8		1	...	1	...	2	...	2	...	1	1	1	...	4	5	9				
9		4	1	4	4	5	2	5	5	3	5	3	1	20	22	42				
10		...	1	...	1	1	...	1	1	2	2	—	—	8	1	9				
11		6	9	5	6	6	3	13	4	6	7	7	7	34	45	79				
12		3	2	2	3	1	3	3	2	2	2	—	3	10	16	26				
13		4	6	6	6	7	8	2	8	6	9	10	8	33	47	80				
14		2	...	...	...	1	...	...	...	1	...	—	1	3	2	5				
15		1	1	2	2	1	1	1	...	2	2	4	2	13	6	19				
16		...	...	...	...	...	...	1	...	...	1	1	...	—	2	2				
17		2	2	1	4	1	1	1	1	...	1	3	4	16	3	19				
18		1	1	...	3	2	2	1	3	1	1	5	4	16	6	22				
19		...	3	8	5	4	7	2	6	3	6	5	9	25	33	58				
20		3	5	2	8	4	4	3	4	2	6	2	6	30	22	52				
21		1	2	...	...	1	1	6	2	1	1	1	2	13	6	19				
22		...	...	1	...	...	...	...	1	...	...	—	1	3	1	4				
23		3	7	2	2	...	3	3	1	2	1	4	2	21	9	30				
24		2	3	4	3	2	2	5	1	1	...	3	1	14	13	27				
25		4	6	6	2	2	...	4	1	4	2	2	2	18	17	35				
26		3	7	1	3	1	2	1	4	...	2	1	6	19	12	31				
27		...	2	3	...	1	...	...	3	1	...	—	...	9	1	10				
28		4	1	1	2	2	2	2	2	...	2	1	1	12	8	20				
29		...	3	1	1	...	...	1	1	...	1	2	—	4	6	10				
30		...	2	1	2	5	1	...	...	1	3	...	3	9	9	18				
31		...	1	2	1	1	5	2	...	1	1	1	1	9	7	16				
32		3	2	2	5	2	1	3	2	3	...	2	...	16	9	25				
33		3	1	1	1	4	...	2	2	5	2	1	2	9	15	24				
34		1	1	1	1	...	2	2	...	...	2	1	3	7	7	14				
35		6	8	4	3	6	8	6	5	4	3	8	3	36	28	64				
36		2	3	2	3	2	3	1	4	2	3	3	6	18	16	34				
37		4	7	3	2	1	1	5	4	6	1	3	7	21	23	44				
38		3	5	3	3	2	1	4	2	...	1	...	2	18	8	26				
39		1	...	1	5	1	...	...	2	3	1	5	2	8	13	21				
40		...	1	1	3	1	1	...	1	...	...	2	—	3	7	10				
	Total.	81	118	80	97	77	78	93	90	73	82	92	103	564	500	1064	1·65	1·64	1·64	1·92

Showing Deaths from Respiratory Diseases excluding Tubercle of lungs registered by Divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.			Ratio of deaths per 1,000 of population.			Mean Ratio per 1,000 during previous five years.
														Males.	Females.	Total.	Males.	Females.	Total.	
1		11	9	17	8	9	12	6	16	12	10	13	24	78	69	147				
2		13	10	5	6	7	7	8	10	5	5	9	11	47	49	96				
3		28	26	17	21	21	23	31	32	25	30	24	43	160	161	321				
4		40	40	32	23	24	34	19	28	21	22	26	58	199	168	367				
5		41	36	28	25	32	33	20	19	17	27	29	59	176	190	366				
6		5	5	4	8	3	10	5	8	9	2	9	20	48	40	88				
7		12	8	14	7	8	9	13	11	8	4	12	17	60	63	123				
8		4	4	2	4	4	2	1	4	3	2	6	9	26	19	45				
9		15	17	10	11	12	14	15	3	7	12	16	18	72	78	150				
10		5	3	6	3	5	5	2	9	3	1	10	8	36	24	60				
11		22	17	13	13	12	13	21	14	12	19	23	14	98	95	193				
12		8	5	6	6	9	5	6	8	5	4	7	6	43	32	75				
13		17	20	16	22	22	27	17	22	19	18	29	35	140	124	264				
14		8	9	11	10	12	9	11	13	15	5	22	17	84	58	142				
15		16	9	9	8	8	12	10	11	5	12	9	11	72	48	120				
16		6	9	5	11	6	5	10	5	8	10	6	13	45	49	94				
17		21	14	17	19	28	18	33	19	19	22	16	28	113	141	254				
18		16	14	19	18	7	9	17	12	18	5	19	26	87	93	180				
19		26	12	13	16	24	16	17	15	13	12	20	25	114	95	209				
20		14	13	11	20	10	10	14	9	11	12	14	20	84	74	158				
21		17	18	13	17	18	15	19	16	10	13	18	30	109	95	204				
22		5	3	7	7	6	7	7	7	2	9	12	7	29	50	79				
23		12	0	13	17	16	16	15	14	15	15	16	24	80	93	173				
24		4	5	11	7	5	7	13	7	7	6	6	6	46	38	84				
25		7	10	10	7	9	8	27	26	16	17	10	18	74	91	165				
26		8	8	9	8	9	11	15	14	7	17	17	17	68	72	140				
27		3	3	3	3	2	4	3	5	2	4	0	10	11	31	42				
28		8	2	5	4	4	4	4	6	5	5	3	4	25	29	54				
29		5	3	2	5	1	3	3	2	1	2	3	4	18	16	34				
30		14	12	13	19	16	23	21	21	21	13	12	16	112	89	201				
31		27	20	25	28	23	25	25	23	13	19	25	19	139	133	272				
32		9	9	11	8	11	14	7	4	5	7	10	7	51	51	102				
33		10	6	8	10	11	7	12	9	4	6	10	18	62	49	111				
34		17	8	13	19	12	17	27	21	18	14	15	18	104	95	199				
35		18	19	21	27	34	24	26	25	19	27	25	36	172	129	301				
36		6	10	10	11	10	10	12	9	12	11	11	15	68	59	127				
37		8	3	3	4	6	10	9	18	13	10	10	11	49	56	105				
38		6	6	5	4	3	4	6	5	5	3	9	14	38	32	70				
39		2	6	5	4	5	5	5	4	1	6	2	8	24	29	53				
40		5	4	2	1	4	5	4	4	5	5	5	4	25	23	48				
	Total...	519	435	444	469	468	492	536	508	416	443	538	748	3086	2930	6016	9·04	9·57	9·29	10·07

Showing Deaths from Injuries Registered by divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1000 of population. Males.	Females.	Total.	Mean Ratio per 1000 during previous five years.
1		1	2	...	...	...	...	1	...	1	...	2	...	4	3	7				
2		...	...	...	1	...	...	...	...	...	1	...	1	2	1	3				
3		1	2	...	...	2	...	...	...	...	2	1	1	1	8	9				
4		1	1	1	...	...	1	1	...	...	...	...	2	4	3	7				
5		1	1	...	...	...	...	...	...	...	...	...	...	2	...	2				
6		...	...	1	1	...	...	1	...	1	...	1	1	4	2	6				
7		1	...	...	...	1	...	...	...	...	1	...	1	...	4	4				
8		1	1	1	...	...	1	...	...	...	...	...	...	3	1	4				
9		1	...	1	...	...	...	...	...	...	...	...	...	2	...	2				
10		...	...	...	...	1	...	...	...	...	...	2	2	4	1	5				
11		...	3	4	2	...	1	2	2	...	...	1	...	11	4	15				
12		...	...	1	...	1	...	...	...	...	...	1	...	1	2	3				
13		...	3	...	1	...	1	...	...	1	1	2	2	7	4	11				
14		...	...	1	1	...	...	...	...	...	1	1	...	2	2	4				
15		5	6	1	2	3	4	...	...	1	3	5	5	27	8	35				
16		...	1	3	...	1	1	...	2	...	...	—	...	4	4	8				
17		...	2	1	1	...	1	2	4	...	...	1	1	9	4	13				
18		2	1	...	...	2	...	1	2	1	2	...	...	8	3	11				
19		2	...	...	1	...	2	1	2	...	1	...	...	7	2	9				
20		...	...	...	...	1	...	...	...	...	...	...	...	1	...	1				
21		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
23		...	1	4	2	2	2	2	2	2	...	1	1	11	8	19				
24		...	...	...	...	...	...	...	...	1	...	...	...	...	...	...				
25		1	...	...	1	...	...	...	...	...	...	...	...	1	1	2				
26		1	...	...	...	...	...	...	...	...	...	...	...	1	1	2				
27		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
28		...	...	...	...	...	...	...	1	...	...	1	...	1	1	2				
29		...	...	...	...	...	...	...	1	1	...	...	1	3	...	3				
30		...	1	...	...	...	1	...	...	...	...	...	1	2	1	3				
31		...	...	...	...	...	...	...	...	...	...	...	3	3	...	3				
32		...	2	1	...	1	...	...	...	...	...	1	1	3	3	6				
33		2	1	2	...	...	...	...	...	...	...	1	...	3	3	6				
34		...	...	...	...	...	...	...	...	...	...	—	2	2	...	2				
35		...	...	...	...	1	1	...	...	...	...	1	...	3	...	3				
36		...	...	1	...	...	1	...	...	...	...	1	...	...	3	3				
37		1	...	1	...	2	1	1	1	...	...	...	...	5	2	7				
38		...	...	...	...	...	...	...	...	...	...	...	1	1	...	1				
39		...	...	...	4	2	...	...	...	...	...	1	1	3	5	8				
40		...	1	...	...	...	2	...	...	...	...	...	2	5	...	5				
	Total.	21	29	24	17	20	20	12	17	9	12	24	29	150	84	234	0·44	0·27	0·36	0·33

Showing Deaths from Child Birth registered by divisions during each month in 1940.

H—17

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total. Males.	Total. Females.	Total. Total.	Ratio of deaths per 1,000 of live-births delivered. Males.	Females.	Total.	Mean Ratio per 1,000 during previous five years.
1		—	—	—	—	—	—	1	1	1	—	1	1	—	5	5				
2		1	—	2	—	—	—	1	—	1	—	—	1	—	6	6				
3		2	2	3	1	2	3	1	4	—	3	2	—	—	23	23				
4		—	1	1	2	2	1	1	1	—	3	1	3	—	16	16				
5		1	2	—	3	1	—	2	—	—	—	—	2	—	11	11				
6		—	—	—	2	1	—	2	—	2	2	1	3	—	13	13				
7		1	—	—	1	1	1	—	—	—	—	—	—	—	4	4				
8		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
9		1	—	—	—	—	—	—	—	—	—	2	1	—	4	4				
10		—	—	—	—	—	—	—	—	1	—	—	—	—	1	1				
11		—	—	1	—	1	—	1	—	—	1	—	1	—	5	5				
12		1	1	2	—	—	—	1	—	—	—	—	—	—	5	5				
13		1	1	2	—	—	1	2	1	—	2	—	—	—	10	10				
14		—	—	—	2	1	1	2	1	3	1	—	—	—	11	11				
15		—	—	—	1	1	1	2	1	—	4	1	—	—	11	11				
16		—	1	1	—	—	1	—	1	3	—	—	1	—	8	8				
17		—	1	1	1	1	1	—	—	—	—	—	—	—	5	5				
18		—	—	1	1	—	—	—	—	—	—	—	1	—	3	3				
19		1	1	—	—	2	—	1	—	—	—	—	1	—	6	6				
20		—	—	—	1	—	—	—	—	—	—	—	—	—	1	1				
21		1	—	1	—	1	1	—	1	1	—	1	—	—	7	7				
22		—	—	1	—	—	—	—	—	—	—	—	—	—	1	1				
23		—	—	—	—	1	—	—	2	1	—	1	2	—	7	7				
24		1	—	—	—	—	—	—	—	1	—	1	1	—	4	4				
25		—	—	—	1	1	—	—	—	2	—	—	1	—	5	5				
26		—	—	—	—	—	—	—	—	—	2	—	1	—	3	3				
27		—	—	—	1	2	—	1	—	1	—	—	—	—	5	5				
28		1	1	—	1	—	—	—	—	—	—	1	—	—	4	4				
29		—	—	—	1	1	—	1	—	—	—	1	1	—	5	5				
30		—	2	—	1	—	—	—	—	—	2	—	—	—	5	5				
31		1	1	2	1	—	—	—	—	2	2	—	1	—	10	10				
32		—	1	—	—	3	1	—	1	2	1	1	2	—	12	12				
33		—	—	1	1	—	—	—	—	—	1	—	—	—	3	3				
34		—	—	—	—	1	—	—	1	—	—	—	—	—	2	2				
35		2	1	2	1	2	1	—	3	2	3	2	—	—	19	19				
36		3	1	1	—	—	—	—	1	—	—	—	—	—	6	6				
37		1	—	—	2	1	—	—	1	—	—	—	2	—	7	7				
38		—	—	—	—	—	1	2	—	—	—	1	—	—	4	4				
39		—	1	—	—	1	—	—	—	—	2	1	—	—	5	5				
40		1	—	—	—	—	—	—	—	—	—	1	—	—	2	2				
	Total ...	20	18	22	25	27	14	21	20	23	29	19	26	—	264	264	—	7·94	7·94	9·16

Showing Deaths from Cerebro-Spinal Meningitis registered by divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October,	November.	December.	Total.			Ratio of deaths per 1000 of population.			Mean ratio per 1000 during previous five years.
														Males.	Females.	Total.	Males.	Females.	Total.	
1		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
2		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
3		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
4		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
5		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
6		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
7		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
8		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
9		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
10		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
11		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
12		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
13		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
14		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
15		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
16		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
17		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
18		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
19		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
20		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
21		...	—	...	...	...	...	...	...	...	...	...	...	...	...	...				
22		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
23		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
24		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
25		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
26		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
27		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
28		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
29		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
30		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
31		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
32		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
33		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
34		...	...	...	...	...	...	...	...	...	1	...	...	...	1	1				
35		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
36		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
37		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
38		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
39		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
40		...	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
	Total ...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	1	...	0·003	0·001	0·003

Showing Deaths from **"Other Causes"** registered by Divisions during each month in 1940.

1	2	3												4			5			6
Divisions.	Districts.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.			Ratio of deaths per 1000 of population.			Mean ratio per 1000 during previous 5 years
														Males.	Females.	Total.	Males.	Females.	Total.	
1		36	33	22	24	30	25	36	27	24	27	23	41	175	173	348				
2		28	12	11	19	14	12	15	19	16	16	25	29	116	100	216				
3		69	48	37	39	45	28	42	39	43	46	54	68	271	287	558				
4		39	50	45	46	49	33	52	47	37	41	43	77	260	299	559				
5		30	37	26	45	52	35	56	45	46	39	67	66	288	256	544				
6		16	9	11	12	13	7	15	10	16	13	11	25	75	83	158				
7		22	20	24	13	23	13	13	19	13	24	25	32	131	110	241				
8		7	8	10	11	10	10	9	9	15	10	9	8	69	47	116				
9		22	19	18	15	10	16	17	12	20	22	18	29	121	97	218				
10		12	13	9	12	11	8	8	8	17	15	11	19	81	62	143				
11		30	36	30	31	25	30	30	36	29	28	34	38	225	152	377				
12		13	10	13	19	7	11	12	13	12	4	8	14	66	70	136				
13		36	28	25	31	28	41	31	23	20	26	37	32	167	191	358				
14		28	28	21	24	19	26	28	43	31	24	38	36	185	161	346				
15		44	48	34	35	48	52	47	46	43	42	61	57	403	154	557				
16		28	20	20	18	26	13	17	25	19	17	21	18	126	116	242				
17		57	54	28	44	44	34	48	41	37	49	39	73	270	278	548				
18		44	33	30	27	30	16	37	30	25	23	37	39	175	196	371				
19		68	47	40	50	45	36	42	51	41	64	68	52	318	286	604				
20		42	26	23	31	33	20	25	22	23	22	44	55	180	186	366				
21		53	52	31	43	39	37	40	41	34	39	50	73	282	250	532				
22		20	19	15	26	16	11	24	24	18	30	17	23	128	115	243				
23		35	30	19	26	27	22	20	30	21	25	24	40	165	154	319				
24		17	19	22	17	25	19	20	18	13	16	27	25	131	107	238				
25		33	23	27	31	24	29	31	25	22	22	31	32	155	175	330				
26		32	22	30	26	29	23	28	36	29	22	26	39	165	177	342				
27		22	19	20	30	18	21	25	17	17	17	19	21	107	139	246				
28		33	24	24	26	31	15	21	31	18	17	31	31	159	143	302				
29		27	22	14	16	18	19	14	22	23	22	18	35	122	128	250				
30		21	16	20	30	25	22	18	25	23	14	20	34	158	110	268				
31		24	32	26	26	34	28	30	17	30	23	36	58	189	175	364				
32		28	27	27	24	29	26	19	22	17	15	34	19	142	145	287				
33		17	25	21	27	20	25	24	21	13	15	27	23	128	130	258				
34		16	20	8	18	20	19	21	22	16	21	22	38	118	123	241				
35		56	61	61	52	58	41	42	45	47	50	65	80	296	362	658				
36		25	29	18	30	25	24	20	20	19	27	25	23	136	149	285				
37		27	20	20	20	23	27	25	39	14	20	34	38	162	145	307				
38		24	19	17	22	12	26	17	18	11	13	23	23	137	88	225				
39		18	23	15	16	19	14	24	14	13	18	24	20	124	94	218				
40		18	9	7	12	17	19	14	15	10	18	16	16	87	84	171				
	Total —	1217	1090	919	1064	1071	933	1057	1067	935	996	1242	1499	6793	6297	13090	19·91	20·58	20·22	19·50

Showing deaths during 1940 compared with deaths during the previous 5 years.

Years.	Cholera.		Small-pox.		Measles.		Plague.		Malaria.		Enteric Fever.		Other Fevers.		Dysentery and Diarrhoea.		Tuberculosis other than Pulmonary.		Respiratory diseases.				Injuries.		Deaths from Child birth.		All other causes.		Total Deaths.	
																			Tuberculosis Pulmonary.		Other Respiratory diseases.									
	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000
1935	145	0·22	59	0·09	7	0·01	...	...	167	0·26	186	0·29	2305	3·6	2320	3·6	177	0·27	1032	1·6	6254	9·7	198	0·3	295	11·4	11810	18·2	24955	38·6
1936	140	0·22	3	0·005	5	0·01	...	...	113	0·18	163	0·25	1799	2·8	2208	3·4	126	0·19	1010	1·6	6410	9·9	232	0·4	294	10·1	11157	17·2	23660	36·6
1937	232	0·36	196	0·3	8	0·10	...	...	78	0·12	96	0·15	2036	3·1	2133	3·3	51	0·08	1104	1·8	6676	10·3	170	0·3	289	9·3	12605	19·5	25674	39·7
1938	36	0·06	561	0·87	8	0·01	...	...	50	0·08	119	0·2	2183	3·4	2308	3·6	108	0·17	1193	2·8	6088	9·4	215	0·3	284	9·2	13102	20·2	26282	40·6
1939	2	0·003	268	0·41	...	...	...	...	43	0·07	187	0·29	2108	3·26	3624	5·60	184	0·28	1216	1·88	7166	11·07	254	0·39	245	7·74	14511	22·42	23808	46·05
Mean of the last 5 years.	111	0·17	217	0·34	6	0·03	...	...	90	0·14	150	0·24	2086	3·23	2519	3·9	129	0·20	1111	1·94	6519	10·07	214	0·34	281	9·55	12637	19·50	26076	40·29
1940	...	...	31	0·05	2	0·003	...	...	29	0·04	125	0·19	1918	2·96	3352	5·18	198	0·31	866	1·33	6016	9·29	234	0·36	264	7·94	13090	20·22	26125	40·36

TABLE OF DEATHS FOR 1940
ARRANGED IN ACCORDANCE WITH
THE INTERNATIONAL LIST OF CAUSES OF DEATHS
ADOPTED BY THE
FIFTH INTERNATIONAL CONFERENCE
FOR REVISION, PARIS, 1938

	Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Total.
		I. INFECTIVE AND PARASITIC DISEASES (1 to 44)													
	1	Typhoid fever ...	17	20	13	12	7	13	6	13	6	8	3	6	124
	2	Paratyphoid fevers ... (If possible specify the type A, B, C etc.)	...	1	...	....	....	....	....	....	....	....	....	....	1
	3	Plague. ...													
		a. Bubonic, septicaemia and secondary pulmonary plague (infection by fleas or other biting insects.)													
		b. Primary pneumonic plague (infection through respiratory tract)													
		c. Unspecified plague.													

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Showing deaths during 1940 compared with deaths during the previous 5 years.

Years.	Cholera.		Small-pox.		Measles.		Plague.		Malaria.		Enteric Fever.		Other Fevers.		Dysentery and Diarrhoea.		Tuberculosis other than Pulmonary.		Respiratory diseases.				Injuries.		Deaths from Child birth.		All other causes.		Total Deaths.	
																			Tuberculosis Pulmonary.		Other Respiratory diseases.									
	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000	Deaths.	Ratio per 1,000
1935	145	0·22	59	0·09	7	0·01	...	...	167	0·26	186	0·29	2305	3·6	2320	3·6	177	0·27	1032	1·6	6254	9·7	198	0·3	295	11·4	11810	18·2	24955	38·6
1936	140	0·22	3	0·005	5	0·01	...	...	113	0·18	163	0·25	1799	2·8	2208	3·4	126	0·19	1010	1·6	6410	9·9	232	0·4	294	10·1	11157	17·2	23660	36·6
1937	232	0·36	196	0·3	8	0·10	...	...	78	0·12	96	0·15	2036	3·1	2133	3·3	51	0·08	1104	1·8	6676	10·3	170	0·3	289	9·3	12605	19·5	25674	39·7
1938	36	0·06	561	0·87	8	0·01	...	...	50	0·08	119	0·2	2183	3·4	2308	3·6	108	0·17	1193	2·8	6088	9·4	215	0·3	284	9·2	13102	20·2	26282	40·6
1939	2	0·003	268	0·41	...	...	...	...	43	0·07	187	0·29	2108	3·26	3624	5·60	184	0·28	1216	1·88	7166	11·07	254	0·39	245	7·74	14511	22·42	29808	46·05
Mean of the last 5 years.	111	0·17	217	0·34	6	0·03	...	...	90	0·14	150	0·24	2086	3·23	2519	3·9	129	0·20	1111	1·94	6519	10·07	214	0·34	281	9·55	12637	19·50	26076	40·29
1940	...	...	31	0·05	2	0·003	...	...	29	0·04	125	0·19	1918	2·96	3352	5·18	198	0·31	866	1·33	6016	9·29	234	0·36	264	7·94	13090	20·22	26125	40·36

TABLE OF DEATHS FOR 1940
ARRANGED IN ACCORDANCE WITH
THE INTERNATIONAL LIST OF CAUSES OF DEATHS
ADOPTED BY THE
FIFTH INTERNATIONAL CONFERENCE
FOR REVISION, PARIS, 1938

	Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Total.
		I. INFECTIVE AND PARASITIC DISEASES (1 to 44)													
	1	Typhoid fever ...	17	20	13	12	7	13	6	13	6	8	3	6	124
	2	Paratyphoid fevers ... (If possible specify the type A, B, C etc.)	...	1	...	....	....	....	....	....	....	....	....	....	1
	3	Plague. ...													
		a. Bubonic, septicaemia and secondary pulmonary plague (infection by fleas or other biting insects.)													
		b. Primary pneumonic plague (infection through respiratory tract)													
		c. Unspecified plague.													

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November	December.	Total.
4	Cholera ...													
5	Undulant fever (Brucellosis)													
	a. infection by Brucella Melitensis (Melitococcus)													
	b. infection by Brucella abortus Bang													
	c. Unspecified													
6	Cerebral-spinal meningococcal meningitis	....	...	...	....	...	...	...	...	...	1	...	....	1
7	Malignant pustule and anthrax (Bacillus anthracis)													
	a. Malignant pustule													
	b. Septicaemic and visceral anthrax.													
	c. Unspecified anthrax.													

8	Scarlet fever ...													
9	Whooping-cough ...	2	2	5	5	2	3	1	1	3	8	6	14	52
10	Diphtheria ...	1	4	1	....	1	1	1	1	1	1	....	...	12
11	Erysipelas	1	1	...	...	2	3	1	....	3	....	1	1	13
12	Tetanus ...	9	1	3	4	10	7	12	4	6	14	7	8	85
13	Tuberculosis of the respiratory system (including mediastinal glands) ... a. With mention of occupational disease of lung. b. Without mention of occupational disease of lung. c. Tuberculosis of unspecified site.	60	102	67	80	57	65	75	72	54	70	79	85	866
14	Tuberculosis of the meninges and central nervous system. a. Meninges. b. Other sites.	2	1	1	1	5	4	2	3	2	1	3	3	28
15	Tuberculosis of the intestines and peritoneum (including mesenteric and retroperitoneal glands). ... a. Intestines. b. Other sites.	13 1	14 1	9 1	11 2	7 2	6 1	12 ...	7 1	7 5	5 1	8	7 2	106 17
16	Tuberculosis of the vertebral column ...	1	...	...	...	...	...	....	1	...	...	...	1	3

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
17	Tuberculosis of the bones and joints (excluding vertebral Column)													
	a. Bones (except vertebral column)	—	—	—	—	1	—	—	1	1	2	—	—	5
	b. Joints	—	—	—	—	—	—	—	—	—	—	—	1	1
18	Tuberculosis of the skin and subcutaneous cellular tissue ...	1	—	—	—	—	—	—	—	—	—	—	—	1
19	Tuberculosis of the lymphatic system (excluding mediastinal (13), mesenteric and retroperitoneal (15) glands).	1	—	1	1	1	1	1	2	—	—	—	1	9
20	Tuberculosis of the genito-urinary system ...	1	—	...	1	—	—	—	—	—	—	1	—	3
21	Tuberculosis of other organs													
	a. Addison's disease specified as tuberculous													
	b. Others	1	—	1	—	1	—	2	—	—	1	1	1	8
22	Disseminated tuberculosis ...													
	a. Acute generalised miliary tuberculosis.													
	b. Chronic generalised tuberculosis.	—	—	—	1	3	1	1	3	4	2	—	2	17
	c. Unspecified.													
23	Leprosy ...	6	8	5	7	4	4	5	3	5	4	6	6	63

24	Purulent infection and Speticaemia (not associated with pregnancy, childbirth or the puerperium) ...													
	a. Septicaemia.	7	3	2	9	8	9	10	9	6	8	7	10	88
	b. Pyaemia.	2	1	—	—	2	4	3	1	2	2	—	2	19
	c. Gas gangrene.	—	—	—	1	1	—	—	—	—	1	—	—	3
	d. Generalised infection by Bacillus Coli.													
25	Gonococcal infections (all sites)													
26	Other bacterial diseases (dysentery excepted) ...													
	a. Glanders.													
	b. Tularaemia													
	c. Others.													
27	Dysentery													
	a. Bacillary dysentery.	67	35	30	46	37	30	35	30	23	33	40	60	466
	b. Amoebic dysentery.	1	1	2	—	—	—	3	—	—	2	1	3	13
	c. Other protozoal dysentery													
	d. Other or unspecified forms of dysentery.	123	88	84	76	103	85	94	104	86	82	145	268	1338
	DISEASES DUE TO PROTOZOA													
28	Malaria ...													
	a. Benign tertian.	—	—	—	—	—	—	—	—	—	—	1	—	1
	b. Quartan.													
	c. Tropical (malignant tertian (including black water fever).	—	—	1	—	—	—	—	—	—	—	1	2	4
	d. Other or unspecified malaria.	4	2	4	—	—	3	4	—	1	2	3	1	24
29	Other diseases due to parasitic protozoa (except spirochaetes) ...	—	—	—	—	1	—	—	—	—	1	—	—	2

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Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
	DISEASES DUE TO SPIROCHAETES													
30	Syphilis													
	a. Locomotor ataxia (tabes dorsalis)													
	b. General paralysis of the insane	1	....	....	2	....	....	....	....	....	....	....	...	3
	c. Aneurysm of the aorta.													
	d. Other forms of Syphilis													
	da. Congenital Syphilis.	....	....	3	1	1	3	4	1	4	....	1	...	18
	db. Syphilis of nervous system (except tabes and general paralysis of the insane).	1	....	....	....	....	....	1	....	....	1	....	...	3
	dc. Syphilis of the circulatory system (except aneurysm of the aorta).													
	dd. Other or unspecified forms of syphilis. ...	3	1	1	....	2	1	1	3	1	....	1	3	17
31	Relapsing fever													
	a. Epidemic louse-borne (Sp. obermeieri).													
	b. Transmitted by other vectors (Sp. duttoni).													
	c. Unspecified													

32	Other diseases due to spirochaetes ...														
	a. Spirochaetosis icterohaemorrhagica (Weil's disease).														
	b. Others														
	DISEASES DUE OR ATTRIBUTED TO FILTERABLE VIRUSES.														
33	Influenza														
	a. With respiratory complications specified.	....	....	....	....	....	....	....	1	1	....	....	....	2	
	b. Without respiratory complications specified.														
34	Small-pox														
	a. Variola major														
	b. Variola minor (alastrim)														
	c. Unspecified ...	4	2	6	3	4	3	....	1	4	1	2	1	31	
35	Measles ...	....	....	2	....	....	....	....	....	....	....	....	....	2	
36	Acute poliomyelitis and polioencephalitis ...	....	....	....	1	....	3	....	...	....	....	....	....	4	
37	Acute infectious encephalitis (lethargic or epidemic) ...														
	a. Acute lethargic (or epidemic) encephalitis														
	b. Sequelae of encephalitis lethargica (Parkinsonism, post-encephalitic Parkinsonian syndrome)														
	c. Unspecified encephalitis lethargica	....	....	....	1	....	....	1	....	....	1	1	....	4	

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Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
38	Other diseases due or attributed to viruses.													
	a. Yellow fever.													
	b. Rabies.	3	1	—	—	—	1	1	—	2	2	1	1	12
	c. Herpes zoster (zona).	—	1	—	—	—	—	—	—	—	—	—	—	1
	d. German measles.													
	e. Varicella (Chicken pox).													
	f. Others.	1	—	—	1	—	—	—	—	—	—	—	—	2
	DISEASES DUE OR ATTRIBUTED TO RICKETTSIA													
39	Typhus and typhus-like diseases (Rickettsioses) ...													
	a. Louse-borne exanthematic typhus.													
	b. Typhus-like diseases transmitted by other vectors.													
	c. Other and unspecified typhus-like diseases.													
	DISEASES DUE TO HELMINTHS													
40	Ankylostomiasis	2	—	1	—	1	2	1	1	4	—	—	3	15

41	Hydatid disease													
	a. Hydatid disease of liver.	—	1	2	2	—	3	—	2	1	—	—	1	12
	b. Hydatid disease of other and unspecified organs.	—	—	—	—	—	—	—	—	—	1	—	—	1
42	Other diseases due to helminths.	—	2	3	3	2	4	—	2	—	1	1	1	19
	DISEASES DUE TO FUNGI.													
43	Mycoses ...	—	—	2	3	—	1	2	3	—	2	3	1	17
	OTHER INFECTIVE OR PARASITIC DISEASES.													
44	Other infective or parasitic diseases													
	a. Venereal disease (other than syphilis and gonorrhoea).	—	—	—	—	—	—	—	—	—	1	1	—	2
	b. Pernicious lympho-granulomatosis (Hodgkin's disease).													
	c. Mumps.	—	—	—	—	—	—	—	—	1	—	—	1	2
	d. Other infective or parasitic diseases. ...	1	—	1	—	1	—	2	1	2	—	1	—	9
	II. CANCER AND OTHER TUMOURS (45 to 57)													
45	Cancer and other malignant tumours of the buccal cavity and pharynx													
	a. Lips.	—	—	—	—	—	—	—	—	—	1	—	—	1
	b. Tongue.	—	2	—	—	—	1	—	—	—	3	1	3	10
	c. Other and unspecified sites.	—	—	2	4	3	—	—	2	2	1	3	6	23

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938) (contd.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
46	Cancer and other malignant tumours of the digestive organs and peritoneum													
	a. Oesophagus.	...	1	....	....	....	2	....	...	...	...	3	—	6
	b. Stomach and duodenum.	1	1	....	3	....	2	1	3	2	2	2	2	19
	c. Intestines other than duodenum or rectum.	...	1	1	....	....	....	....	1	...	1	....	—	4
	d. Rectum.	...	...	....	1	....	1	1	1	...	...	1	1	6
	e. Liver and biliary passages.	....	1	....	1	3	2	2	2	1	2	1	2	17
	f. Pancreas.													
	g. Peritoneum.	...	1	...	....	....	1	...	2	...	...	....	1	5
	h. Other or unspecified digestive organs.	...	....	....	1	....	....	...	...	...	...	...	—	1
47	Cancer and other malignant tumours of the respiratory system.													
	a. Larynx and trachea.	1	1	1	1	....	....	...	...	1	....	...	—	5
	b. Bronchi, lungs and pleura.	....	1	....	1	1	....	...	...	1	....	...	—	4
	c. Unspecified respiratory organs.	....	....	....	....	....	...	....	....	...	...	1	—	1
48	Cancer and other malignant tumours of the uterus													
	a. Cervix uteri.	1	—	2	2	1	3	2	2	2	3	1	2	21

	b. Other or unspecified sites.	2	2	—	—	1	—	1	1	1	—	—	1	9
49	Cancer and other malignant tumours of other female genital organs ...													
50	Cancer and other malignant tumours of the breast ...	—	1	2	1	1	1	—	—	2	—	—	1	9
51	Cancer and other malignant tumours of the male genital organs ...													
	a. Scrotum.													
	b. Prostate.													
	c. Other or unspecified male genital organs.	--	--	1	--	1	—	--	1	--	--	1	—	4
52	Cancer and other malignant tumours of the male and female urinary organs. ...	—	1	—	—	1	—	—	—	—	—	—	—	2
53	Cancer and other malignant tumours of the skin (scrotum excepted–51 a) ...													
54	Cancer and other malignant tumours of the brain and other parts of the nervous system. ...													
	a. Glioma (not specified as benign).													
	b. Sarcoma.	—	1	—	—	—	—	1	—	—	—	—	—	2
	c. Other and unspecified malignant tumours.													
55	Cancer and other malignant tumours of other or unspecified organs.													
	a. Adrenal glands.													
	b. Bones.													

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938) (contd.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	c. Thyroid gland	—	—	—	—	—	—	—	—	—	—	1	—	1
	d. Other and unspecified organs.	—	4	—	4	3	2	2	4	1	3	2	4	29
56	Non imalignant tumours (including dermoid cysts)													
	a. Ovaries.	1	—	1	1	—	—	—	—	—	—	—	—	3
	b. Uterus.	—	—	—	—	3	—	—	1	—	—	—	—	4
	c. Other female genital organs.													
	d. Brain and other parts of the nervous system.	1	—	1	—	—	—	—	—	—	1	—	2	5
	e. Other and unspecified organs.	1	1	1	1	—	—	3	—	2	2	2	1	14
57	Tumours of undetermined nature													
	a. Ovaries.	—	—	—	—	—	1	—	—	—	—	—	—	1
	b. Uterus.	—	1	—	—	—	—	—	—	—	1	—	1	3
	c. Other female genital organs.													
	d. Brain and other parts of the nervous system.	—	1	—	1	2	—	—	—	—	1	—	—	5
	e. Other and unspecified organs.	1	—	1	—	3	2	3	1	—	—	2	2	15

	III RHEUMATISM, DISEASES OF NUTRITION AND OF THE ENDOCRINE GLANDS, OTHER GENERAL DISEASES AND VITAMIN-DEFICIENCY DISEASES (58 to 71)													
58	Rheumatic fever a. Acute rheumatic pericarditis. b. Acute rheumatic endocarditis. c. Acute rheumatic myocarditis. d. Other forms, including acute articular rheumatism and rheumatic pleurisy.													
59	Chronic rheumatism and other rheumatic diseases a. Rheumatoid arthritis. aa. Chronic rheumatic polyarthritis. ab. Arthritis deformans. ac. Others. b. Other forms of chronic articular rheumatism. c. Other forms of chronic rheumatism.	1	1	2	—	—	1	1	—	—	—	—	1	7
60	Gout ...	1	1	2	—	2	—	—	—	1	—	—	—	7
61	Diabetes mellitus ...	4	5	8	9	4	8	8	3	11	8	8	5	81
62	Diseases of the pituitary gland.	—	—	—	—	—	—	—	—	1	—	—	—	1

Table of Deaths for 1940 arranged in accordance with the International list (Fifth Revision 1938) (contd.)

Classification Number.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
63	Diseases of the thyroid and parathyroid glands a. Simple goitre. ... b. Exophthalmic goitre. c. Myxoedema and cretinism. d. Other diseases of the thyroid gland. e. Diseases of the parathyroid glands.	1	....	....	....	....	2	1	...	....	....	....	1	5
64	Diseases of the thymus, including hypertrophy (status lymphaticus)													
65	Diseases of the adrenal glands (not described as tuberculous) ... a. Addison's disease, not specified as tuberculous. b. Others.	...	1	....	....	...	1	....	....	....	....	...	....	2
66	Other general diseases ... a. Osteomalacia. b. Other general diseases.													

	VITAMIN-DEFICIENCY DISEASES. (67 to 71)													
67	Scurvey													
	a. Infantile scurvey (Barlow's disease)													
	b. Other forms ...													
68	Beri-beri ...	1	...	...	....	...	...	...	...	...	...	...	1	2
69	Pellagra	....	...	...	...	...	...	...	...	...	...	....	....	....
70	Rickets ...	32	22	18	16	25	20	30	25	18	19	19	48	292
71	Other vitamin-deficiency diseases ...	1	4	5	11	3	4	6	6	6	2	2	2	52
	IV. DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS (72 to 76)													
72	Haemorrhagic Conditions													
	a. Primary purpura	1	1	...	....	....	1	....	....	....	...	....	1	4
	b. Haemophilia ...	...	...	...	...	1	....	1	...	....	1	....	....	3
	c. Other and unspecified haemorrhagic conditions	...	1	...	...	...	...	....	....	....	...	....	...	1
73	Anaemias (excluding splenic anaemia—75a) ...													
	a. Pernicious anaemia ...	3	2	3	3	4	....	4	....	2	3	4	4	32
	b. Other hyperchromic anaemias ...	1	3	2	1	1	1	3	1	2	1	...	...	16
	c. Hypochromic anaemias ...	1	...	1	1	1	...	1	...	1	...	...	...	6
	d. Other and unspecified anaemias ...	13	9	10	12	3	16	13	6	15	9	9	15	130

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Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
74	Leukaemias and aleukaemias													
	a. Leukaemia	1	....	1	1	....	1	2	....	....	....	2	....	8
	b. Aleukaemia													
75	Diseases of the spleen ..													
	a. Splenic anaemia ...	...	....	2	....	....	....	...	...	....	...	....	1	3
	b. Banti's disease													
	c. Other diseases of the spleen ...	...	...	2	....	1	...	3	2	2	....	...	5	15
76	Other diseases of the blood and blood forming organs.													
	a. Agranulocytosis ...													
	b. Erythrocytosis ...													
	c. Haemoglobinaemia ...													
	d. Other diseases ...	....	...	1	...	...	...	....	....	...	...	....	...	1
	V. CHRONIC POISONING AND INTOXICATION (77 to 79)													
77	Chronic or acute alcoholism (ethylism) ...													
	a. Acute alcoholism ...													
	b. Chronic alcoholism ...													
	c. Unspecified alcoholism ...													
78	Lead Poisoning													

	a. Specified as occupational.														
	b. Not specified as occupational														
79	Chronic poisoning by other mineral and organic substances														
	a. Occupational poisoning ...														
	b. Poisoning by narcotic and soporific drugs														
	ba. Narcotics														
	bb. Soporifics ...														
	c. Other non-occupational poisoning ...														
	d. Unspecified poisoning ...	...	1	1	1	...	...	...	...	1	...	...	1	5	
	VI. DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS (80 to 89)														
80	Encephalitis (non-epidemic)														
	a. Intra-cranial abscess ..	1	....	....	...	...	1	...	....	...	...	....	....	2	
	b. Other forms ...	1	2	...	2	1	1	....	1	....	1	1	2	12	
81	Meningitis (non-meningococcal)														
	a. Simple meningitis ...														
	b. Acute cerebro-spinal meningitis (not due to meningococcus)	1	1	4	3	3	2	3	1	...	...	4	1	23	
82	Diseases of the medulla and spinal cord, other than locomotor ataxia (30a) and disseminated sclerosis (87d)	...	...	....	...	....	....	1	...	...	....	....	...	1	

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83	Intra-cranial lesions of vascular origin													
	a. cerebral haemorrhage (not due to injury at birth-160a).	2	5	1	4	4	6	2	3	2	4	2	7	42
	b. cerebral embolism and thrombosis. ...	1	...	....	...	3	1	2	2	....	2	3	3	17
	c. Softening of the brain ...													
	d. Hemiplegia and other paralyses of unstated origin	40	27	34	37	25	32	41	29	31	24	34	48	402
	e. Other intra-cranial effusions	1	...	2	1	2	...	1	1	...	1	1	2	12
84	Mental disorders and deficiency (excluding general paralysis of the insane–30b)													
	a. Mental deficiency ...													
	b. Schizophrenia (dementia-praecox)													
	c. Manic-depressive psychosis ...	1	1	...	...	2	....	...	....	...	....	...	1	5
	d. Other mental disorders ...													
85	Epilepsy ...	...	1	2	2	2	...	4	2	1	2	1	3	20
86	Convulsions in children under 5 years of age ...	34	29	41	37	48	46	50	34	48	45	65	79	556
87	Other diseases of the nervous system													

	a. Chorea	...	...	...	...	...	3	4	...	...	...	...	1	8
	b. Neuritis (non-rheumatic)...	....	1	...	...	...	....	....	...	....	....	...	...	1
	c. Paralysis agitans (Parkinson's disease) ...													
	d. Disseminated sclerosis													
	e. Others ...	....	3	...	....	1	1	1	....	1	...	6	....	13
88	Diseases of the organs of vision (including trachoma) ...	2	2	1	...	...	1	...	1	....	...	....	1	8
89	Diseases of the ear and of the mastoid process													
	a. Otitis and other diseases of the ear, without mention of mastoid (antrum) disease	...	...	1	...	...	...	...	...	....	....	...	1	2
	b. Diseases of the mastoid process	1	2	2	...	...	...	...	2	...	....	...	1	8
	VII DISEASES OF THE CIRCULATORY SYSTEM (90 to 103)													
90	Pericarditis (including chronic, rheumatic pericarditis)													
	a. chronic pericarditis specified as rheumatic	...	....	...	....	...	....	...	....	...	....	...	1	1
	b. Others ...	1	....	...	...	....	...	...	....	....	....	...	...	1
91	Acute endocarditis (excluding rheumatic endocarditis-58b)													
	a. Acute bacterial endocarditis ...	....	....	...	...	...	1	...	...	...	....	...	1	2
	b. Sub-acute bacterial endocarditis	....	....	4	...	....	1	...	....	...	...	...	...	5

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	c. Other forms of acute or sub-acute endocarditis (excluding arteriosclerotic endocarditis)													
92	Chronic affections of the valves and endocardium													
	a. Aortic valvular disease unassociated with mitral disease	1	1	2	1	1	1	1	....	...	...	2	2	12
	b. Other specified valvular disease (including sequelae of rheumatic fever) ...	15	13	5	9	13	14	8	9	9	13	7	18	133
	c. Unspecified valvular lesions or endocarditis													
93	Diseases of the myocardium, including aneurism of the heart													
	a. Acute myocarditis ...	1	...	...	2	...	...	...	....	...	...	1	1	5
	b. Chronic myocarditis specified as rheumatic ...	2	...	...	1	2	...	...	2	1	...	....	1	9
	c. Myocardial degeneration, infarction and sclerosis, and other chronic myocarditis, not specified as rheumatic.													

	d. Myocarditis not specified as acute or chronic	29	21	21	22	16	18	15	19	14	22	19	23	239	
94	Diseases of the coronary arteries and angina pectoris.														
	a. Diseases of the coronary arteries ...	3	1	2	...	1	....	...	4	...	3	1	1	16	
	b. Angina pectoris without mention of coronary disease	...	1	1	...	...	2	1	...	...	...	...	....	5	
95	Other diseases of the heart														
	a. Functional heart disease without mention of organic lesion ...														
	b. Heart diseases specified as rheumatic but otherwise undefined ...														
	c. Other and unspecified diseases of the heart ...	58	55	52	50	45	41	36	43	56	49	50	73	608	88
96	Aneurism, except of heart (93) and aorta (30) ...														
97	Arteriosclerosis, excluding diseases of the coronary arteries, (94), renal sclerosis (131b) and cerebral haemorrhage (83) ...														
98	Gangrene ...	6	1	3	1	1	2	3	2	4	...	...	6	29	
99	Other diseases of the arteries ...														
100	Diseases of the veins (varices haemorrhoids, phlebitis, etc)														
	a. Varices ...	2	2	2	1	...	....	3	1	...	1	2	4	18	
	b. Other diseases of the veins ...														
101	Diseases of the lymphatic system (lymphangitis, etc) ...	....	...	1	...	...	...	....	...	...	...	....	...	1	

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Total.
102	High blood pressure (idiopathic)	1	4	...	1	...	1	...	1	2	1	...	....	11
103	Other diseases of the circulatory system (including hypotension)	1	....	...	....	....	...	...	...	....	....	....	...	1
	VIII. DISEASES OF THE RESPIRATORY SYSTEM (NOT SPECIFIED AS TUBERCULOUS (104 to 114)													
104	Diseases of the nasal fossae and annexa													
	a. Diseases of the nasal fossae	...	...	1	...	...	...	....	...	...	....	....	....	1
	b. Others, including sinusitis (State site) ...													
105	Diseases of the larynx	....	1	...	...	...	...	...	...	1	...	....	...	2
106	Bronchitis													
	a .Acute ...	7	4	1	2	2	....	1	1	...	....	...	4	22
	b. Chronic ...	29	20	37	27	25	26	23	22	26	32	39	42	348
	c. Not distinguished as acute or chronic ...	10	18	15	11	7	13	8	13	10	8	18	23	154
107	Broncho-pneumonia, including capillary bronchitis	303	246	263	290	311	339	379	359	278	281	358	528	3935

108	Lobar (pneumococcal) pneumonia ...	22	17	18	19	13	14	8	9	10	12	9	16	167
109	Pnuemonia (unspecified), including acute congestion of the lung ..	117	108	83	89	86	80	98	83	77	87	95	111	1114
110	Pleurisy (not specified as tuberculous)													
	a. Empyema ...	2	1	...	2	....	1	....	2	1	1	1	2	13
	b. Other or unspecified forms of pleurisy ...	...	....	1	3	...	....	...	2	1	1	2	1	11
111	Congestion (chronic or unspecified), oedema, embolism, haemorrhagic infarction and thrombosis of the lungs ...													
	a. Haemorrhagic infarction of the lung (including pulmonary embolism)													
	b. Acute oedema of the lung.	1	2	....	....	1	1	...	1	1	1	1	...	9
	c. Chronic or unspecified congestion of the lung ...	...	....	...	...	1	...	....	...	...	1	...	...	2
112	Asthma	28	15	23	23	21	17	18	15	9	17	13	18	217
113	Pulmonary emphysema ...													
114	Other diseases of the respiratory system (except tuberculosis—13)													
	a. Silicosis ...													
	b. Other occupational respiratory diseases ...													
	c. Gangrene of the lung ...													
	d. Abscess of the lung ...	...	1	1	3	1	1	1	1	1	2	2	2	16
	e. Other diseases of the respiratory system not specified as occupational ...	...	2	1	....	....	...	....	...	1	...	....	1	5

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(contd.)

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
	IX. DISESASES OF THE DIGESTIVE SYSTEM (115 to 129)													
115	Diseases of the buccal cavity and annexa, and of the pharynx and tonsils (including adenoid vegetations).													
	a. Diseases of the teeth and gums ...													
	b. Septic sore throat ...													
	c. Other diseases of the pharynx and tonsils ...	...	2	2	...	1	...	3	...	....	1	...	...	9
	d. Diseases of other and unspecified sites	...	...	...	....	....	2	...	....	....	1	....	...	3
116	Diseases of the oesophagus ...	....	...	...	...	...	1	1	....	...	....	1	....	3
117	Ulcer of the stomach or duodenum.													
	a. Stomach ...	9	8	8	6	6	3	10	5	6	5	3	9	78
	b. Duodenum ...	5	10	6	10	8	6	10	1	1	3	10	8	78
118	Other diseases of the stomach (except cancer and other malignant tumours) ...	14	15	10	19	18	13	14	16	11	8	10	19	167
119	Diarrhoea and enteritis (under 2 years of age)	65	38	39	58	70	105	74	86	58	57	71	130	851

120	Diarrhoea, enteritis and ulceration of the intestines (2 years of age and over)													
	a. Diarrhoea and enteritis ...	60	53	56	59	52	53	55	51	48	50	47	100	684
	b. Ulceration of intestines (except duodenum) ...	1	...	...	...	1	...	....	....	....	....	...	....	2
121	Appendicitis ...	...	3	2	1	2	2	5	2	1	3	1	....	22
122	Hernia, intestinal obstruction													
	a. Hernia ...	2	5	2	6	4	7	8	6	2	2	1	4	49
	b. Intestinal obstruction	4	6	5	8	7	8	4	12	4	3	5	7	73
123	Other diseases of the intestines (including intestinal infection by B. coli) ...													
	a. Diverticulitis	1	....	....	...	...	...	....	...	...	...	...	...	1
	b. Other diseases of the intestines.	7	4	6	4	10	1	3	4	2	3	6	12	62
124	Cirrhosis of the liver ...													
	a. With mention of alcoholism ...													
	b. Without mention of alcoholism ...	21	14	17	20	27	20	20	28	14	17	22	24	244
125	Other diseases of the liver													
	a. Acute yellow atrophy (not associated with pregnancy (144c) or the puerperium (148c)													
	b. Other diseases of the liver	15	9	10	10	14	14	9	13	20	13	16	26	169
126	Biliary calculi ...	...	....	....	...	...	...	1	...	...	....	...	...	1

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
127	Other diseases of the gall-bladder and bile-ducts ...													
	a. Cholecystitis without record of biliary calculi ...	...	....	1	....	...	...	....	....	...	...	...	...	1
	b. Others ...	...	...	1	....	....	...	...	...	....	...	....	...	1
128	Diseases of the pancreas (other than diabetes—61) ..	....	...	1	...	...	...	....	...	...	....	...	1	2
129	Peritonitis without stated cause	4	5	1	6	4	1	8	3	2	3	3	9	49
	X, DISEASES OF THE URINARY AND GENITAL, SYSTEMS (NOT VENEREAL, OR CONNECTED WITH PREGNANCY OR THE PUERPERIUM) (130 to 139)													
130	Acute Nephritis ...	7	5	13	9	7	8	8	7	8	4	10	6	92
131	Chronic nephritis													
	a. Secondary to acute nephritis ...													
	b. Arteriosclerotic kidney ...													
	c. Chronic nephritis not otherwise specified ...	9	14	11	4	8	7	4	7	3	11	17	10	105
132	Nephritis not stated to be acute or chronic	41	29	21	33	27	25	24	28	22	24	33	53	360

133	Other diseases of the kidneys and ureters (not connected with pregnancy)														
	a. Pyelitis, pyelonephritis and pyelocystitis	...	...	....	...	...	1	....	2	...	..	..	2	5	
	b. Others	10	6	5	6	6	4	3	5	3	7	5	6	66	
134	Calculi of the urinary passages.														
	a. Calculi of the kidneys and ureters ...														
	b. Calculi of the bladder	...	...	....	1	...	....	...	..	...	...	..	..	1	
	c. Calculi of unstated site ...														
135	Diseases of the bladder (except tumours)														
	a. Cystitis.	...	1	1	...	....	...	....	...	1	...	...	..	3	
	b. Other diseases of the bladder	....	3	1	...	..	...	1	3	1	1	...	2	12	
136	Diseases of the urethra, urinary abscess, etc.														
	a. Stricture of the urethra...	1	...	1	1	2	1	...	2	2	2	1	2	15	
	b. Others ...	...	3	....	1	2	3	...	1	...	2	2	4	18	
137	Diseases of the prostate														
	a. Hypertrophy of the prostate ...	1	...	...	....	1	...	...	1	...	1	1	1	6	
	b. Others														
138	Diseases of other male genital organs (not specified as Venereal) ...	1	...	1	...	1	3	...	...	2	2	2	..	12	
139	Diseases of the female genital organs (not specified as venereal, or connected with pregnancy or the puerperal state).														
	a. Diseases of the ovaries, Fallopian tubes and parametria ...	....	...	....	1	1	1	2	..	...	1	1	..	7	

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	Febuary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
	b. Diseases of the uterus	...	...	...	...	....	...	...	1	...	...	...	...	1
	c. Diseases of the breast ...	....	....	1	....	...	....	...	1	....	...	....	....	2
	d. Other diseases of the female genital organs ...	...	...	...	1	1	....	...	....	...	....	1	...	3
	XI. DISEASES OF PREGNANCY, CHILDBIRTH AND THE PUERPERAL STATE (140 to 150)													
140	Post-abortive infection													
	a. Spontaneous, therapeutic or of unspecified origin.													
	aa With mention of pyelitis													
	ab Without mention of pyelitis. ...	1	...	...	...	4	1	...	1	1	....	...	....	8
	b. Abortion induced for reasons other than therapeutic.													
	ba By the woman herself.													
	bb By other persons.													
	bc By persons unknown or unstated													
141	Abortion without mention of Septic conditions													
	a. Spontaneous, therapeutic or of unspecified origin													
	aa With record of haemorrhage, trauma or shock													

	ab Without record of haemorrhage, trauma or shock.	....	....	....	...	...	2	...	1	....	2	1	...	6		
	b. Abortion induced for reasons other than therapeutic															
	ba By the woman herself															
	bb By other persons.															
	bc By persons unknown or unstated															
142	Ectopic gestation.															
	a. With mention of infection															
	b With mention of haemorrhage but not of infection															
	c. Other cases ...	...	....	...	...	...	...	...	....	....	3	....	....	3		
143	Haemorrahage of pregnancy.															
	a. Haemorrhage from placenta proevia	....	1	...	2	....	1	1	2	1	....	...	....	8		97
	b. Haemorrhage from premature seperation of placenta and other accidental haemorrhage during pregnancy (except with abortion —141)	...	...	...	....	...	1	2	1	...	1	...	...	5		
	c. Other and unspecified haemorrhages of pregnancy ...	1	...	1	...	....	...	...	....	....	...	....	...	2		
144	Toxaemias of pregnancy															
	a. Eclampsia of pregnancy.	4	....	2	2	1	2	1	4	3	2	4	4	29		
	b. Albuminuria and nephritis of pregnancy.															
	c. Acute yellow atrophy of liver associated with pregnancy															
	d. Other toxaemias of pregnancy	1	...	1	1	2	2	...	1	2	...	1	....	11		

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
145	Other diseases and accidents of pregnancy.	4	3	2	1	...	....	...	1	1	1	...	5	18
146	Haemorrhage of childbirth and the puerperium.													
	a. Haemorrhage from placenta proevia during child birth.													
	b. Haemorrhage from premature separation of placenta during child birth ...	4	...	2	3	4	3	2	4	4	4	4	9	43
	c. Other haemorrhages during childbirth.													
	d. Other haemorrhages after child birth.													
147	Infection during childbirth and the puerperium.													
	a. General or local puerperal infections (including puerperal tetanus) with mention of pyelitis.													
	b. General or local puerperal infections (including puerperal tetanus) without mention of pyelitis.	11	11	15	15	17	6	10	9	12	13	7	12	138
	c. Puerperal thrombophlebitis.													

	d. Puerperal embolism and sudden death.													
148	Puerperal toxaemias													
	a. Puerperal eclampsia	1	1	...	1	2	1	1	....	1	2	1	....	11
	b. Puerperal albuminuria and nephritis. ...	....	....	....	....	....	...	....	...	....	...	1	...	1
	c. Acute yellow atrophy of liver (post-partum).													
	d. Other puerperal toxaemias.	...	1	...	....	....	1	....	...	....	...	...	....	2
149	Other accidents of childbirth.													
	a. Laceration, rupture during parturition or other trauma of pelvic organs (without mention of haemorrhage)													
	b. Other accidents of childbirth.	2	1	1	3	1	1	6	5	2	4	4	2	32
150	Other or unspecified diseases of child birthand the puerperium													
	a. Mastitis during the puerperium and lactation													
	b. Puerperal psychoses													
	c. Other and unspecified diseases. ...	2	4	4	3	3	2	2	2	4	6	2	3	37
	XII DISEASES OF THE SKIN AND CELLULAR TISSUE (151 to 153)													
151	Carbuncle, boils. ...	4	4	2	2	5	16	16	10	5	5	5	8	82
152	Cellulitis, acute abscess. ...	5	8	6	10	8	10	10	6	10	5	6	12	96

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Total.
153	Other diseases of the skin and annexa, and of the cellular tissue	7	5	14	10	9	11	17	10	4	2	6	9	104
	XIII DISEASES OF THE BONES AND ORGANS OF MOVEMENT (154 to 156)													
154	Osteomyelitis and periostitis													
	a. Acute													
	b. Chronic	...	....	....	1	...	...	...	....	...	...	....	...	1
	c. Unspecified	...	2	...	1	....	...	...	2	1	....	....	...	6
155	Other diseases of the bones, except tuberculosis (16, 17)	1	2	...	....	...	1	...	...	...	1	1	1	7
156	Diseases of the joints and other organs of movement													
	a. Diseases of the joints (except tuberculosis—17b, and rheumatism—58, 59) ...	....	...	....	...	...	...	....	....	...	...	1	1	2
	b. Diseases of other organs of movement													
	XIV. CONGENITAL MALFORMATIONS (157)													
157	Congenital malformations													
	a. Congenital hydrocephalus.		1	...	....	...	2	...	1	...	...	...	1	5

	b. Spina bifida and meningocele	....	1	1	...	....	...	1	....	...	....	...	...	3
	c. Congenital malformation of heart													
	d. Monstrosities	....	1	...	...	....	...	...	1	....	...	...	...	2
	e. Congenital pyloric stenosis. ..	....	....	1	...	1	...	...	...	....	...	...	...	2
	f. Cleft palate, harelip													
	g. Imperforate anus ...	1	....	1	....	4	...	...	2	1	...	3	2	14
	h. Cystic disease of kidney.													
	i. Other stated congenital malformations													
	ia. Central nervous system....													
	ib. Circulatory system ...													
	ic. Digestive system	1	...	3	...	....	....	1	...	...	...	...	1	6
	id. Genito-urinary system ...													
	ie. Other sites													
	j. Unspecified congenital malformations													
	XV. DISEASES PECULIAR TO THE FIRST YEAR OF LIFE (158 to 161)													
	(See other causes of infantile mortality e.g. Nos. 119, 157, etc).													
158	Congenital debility ...	36	24	24	38	52	35	41	48	40	38	49	68	493
159	Premature birth (still-births excluded) ...	238	202	123	156	167	140	140	140	161	168	202	247	2084
160	Injury at birth (still-births excluded													
	a. Intra-cranial or spinal haemorrhage due to injury at birth.													

Table of Deaths for 1940 arranged in accordance with the International List (Fifh Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	september.	October.	November.	December.	Total.
	aa With mention of operation ab Without mention of operation ...	2	4	5	3	3	1	1	2	1	...	2	5	29
	b. Other intra-cranial or spinal injuries at birth ba With mention of operation													
	bb Without mention of operation ...	1	3	1	6	2	1	3	1	1	2	1	2	24
	c. Other birth injuries ca With mention of operation													
	cb Without mention of operation ...	...	....	....	....	1	....	...	....	1	....	....	...	2
161	Other diseases of peculiar to the first year of life													
	a. Asphyxia during or after birth, atelectasis ...	5	14	8	7	9	11	8	13	19	11	22	10	137
	b. Intoxication due to maternal toxaemia	....	1	...	2	3	4	...	...	1	1	2	2	15
	c. Infections of the new-born including non - syphilitic pemphigus													
	d. Melaena neonatorum													

	e. Other specified diseases (including gangrene or haemorrhage of umbilicus, icterus neonatorum, acute catarrhal hepatitis)	2	4	1	4	3	4	....	2	3	...	....	3	26
	XVI SENILITY, OLD AGE (162)													
162	Senility, old age													
	a. Old age ...	207	166	140	143	113	111	136	171	106	121	188	207	1809
	b. Senility with mention of senile dementia													
	c. Senility without mention of senile dementia ...	204	212	118	158	144	119	146	166	129	172	206	230	2004
	XVII. VIOLENT OR ACCIDENTAL DEATHS (163 to 198) Suicide.													
163	Suicide by poisoning													
	a. Suicide by solid or liquid toxic or corrosive substances													
	aa By corrosive substances.													
	ab By analgesic and narcotic drugs													
	ac By soporific drugs (not liquid anaesthetics)													
	ad By other or unspecified solid or liquid poisons ...	...	2	...	....	....	...	...	...	...	...	...	...	2
	b. Suicide by poisonous gas.													
	ba By coal-gas, including other gases in domestic use.													
	bb By motor exhaust gases.													
	bc By other poisonous gases.													

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	september.	October.	November.	December.	Total.
164	Other forms of Suicide.													
	a. Suicide by hanging or strangulation.	1	5	3	2	3	5	1	1	2	1	1	3	28
	b. Suicide by drowning ...	1	5	1	1	2	3	2	2	2	2	2	3	26
	c. Suicide by fire-arms and explosives													
	d. Suicide by cutting or piercing instruments ...	...	...	1	...	...	...	...	...	...	...	...	...	1
	e. Suicide by jumping from high places													
	f. Suicide by crushing													
	(f)a Suicide on railways													
	(f)b Other suicide by crushing.													
	g. Suicide by other or unspecified means ...	....	...	...	...	...	1	...	...	...	...	...	...	1
	HOMICIDE													
165	Infanticide (infants under 1 year) ...	...	...	1	1	...	...	...	...	...	...	...	1	3
166	Homicide by fire-arms (ages 1 year and over)													
167	Homicide by cutting or piercing instruments (ages 1 year and over) ...	2	1	...	...	1	...	...	...	...	...	...	1	5

168	Homicide by other or unspecified means (ages 1 year and over)															
	ACCIDENTAL DEATHS (Or deaths not known to be due to suicide or homicide) (As far as possible, deaths due to occupational accidents should be stated apart under each heading)															
169	Accidents on railways (and on tramways circulating on special tracks not on roads or streets), including pedestrians killed by trains and victims of collisions between trains and road vehicles (motor vehicles excepted-170a) ...	...	...	....	....	...	...	2	...	2	....	...	...	4		
170	Automobile accidents (all accidents in which motor-driven road vehicles are involved alone or in collision with trains, tramcars, other road vehicles or all other users of the road)															
	a. Collisions with trains.															
	b. Collisions with trams.															
	c. Other automobile accidents. ...	1	2	1	....	....	1	....	...	...	...	1	...	6		
171	Other road transport accidents, excluding automobile accidents (170)															
	a. Tramway accidents (on roads)															

Table of Deaths for 1940 arranged in accordance with the International List (Fifth Revision 1938.)

Classification No.	Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	september.	October.	November.	December.	Total.
	b. Other road transport accidents ...	1	1	2	...	....	...	1	...	...	...	....	...	5
172	Water transport accidents, including all accidents on or from vessels or boats of any description (except sea planes) whether at sea, on inland waterways, in harbours or along the coast													
173	Air transport accidents, including all accidents due to aviation													
174	Accidents in mines and quarries													
175	Agricultural and forestry accidents a. Accidents from farm machinery and vehicles (excluding road accidents). b. Injuries by animals in farming, etc. ba By venomous animals bb By other animals c. Other agricultural and forestry accidents													

176	Accidents caused by machinery, excluding accidents due to transport (169 to 173), agricultural or forestry machinery (175), or in mines or quarries (174)														
177	Food poisoning ...	....	...	1	...	...	....	....	...	...	1	...	...	2	
178	Accidental absorption of poisonous gases														
179	Other acute accidental poisoning, (not by gas) ...	....	2	...	2	2	2	2	2	....	1	1	....	14	
180	Conflagration														
181	Accidental burns (conflagration excepted)	6	7	4	...	3	2	2	5	2	3	5	6	45	
182	Accidental mechanical suffocation														
183	Accidental drowning ...	2	1	1	1	2	3	2	1	...	1	6	7	27	
184	Accidental injury by fire-arms.														
185	Accidental injury by cutting or piercing instruments														
186	Accidental injury by fall, crushing landslide etc. ...	1	1	1	1	1	2	...	2	...	1	2	4	16	
187	Cataclysm (all deaths, whatever their cause)														
188	Injury by animals ...	...	...	...	...	...	...	...	....	1	...	...	1	...	2	
189	Hunger or thirst														
190	Excessive cold														
191	Excessive Heat														
192	Lightning														
193	Other accidents due to electric-currents ...	...	1	...	...	....	....	...	1	...	...	....	1	3	

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Classification No.	Causes of Death	January.	February.	March.	April.	May.	June.	July.	August.	september.	October.	November.	December.	Total.
194	Attack by venomous animals.													
195	Other accidents													
	a. Vaccinia and other sequelae of Vaccination against small-pox													
	b. Other accidents due to medical or surgical intervention													
	ba. Anaesthetic accidents....													
	bb. Other accidents													
	c. Lack of care of the new born													
	d. Other and unspecified accidents ...	6	1	8	9	6	1	....	2	1	2	5	3	44
196	Deaths of persons in military service during operations of war													
	a. From poison gas													
	b. From wounds													
	c. From other or unspecified causes													
197	Deaths of civilians due to operations of war ...													

	a. From poison gas														
	b. From wounds														
	c. From other or unspecified causes ...														
198	Legal executions	...	...	...	...	...	...	....	1	...	...	1	...	2	
	XVIII. ILL-DEFINED CAUSES OF DEATH (199 and 200)														
199	Sudden death ...	...	....	...	...	...	...	....	....	....	....	...	1	1	
200	Causes of death unstated or ill-defined														
	a. Ill-defined causes ...	158	142	187	215	279	171	296	230	163	201	251	284	2577	
	b. Found dead, cause unknown ...	1	2	2	4	7	2	5	5	3	4	6	1	42	
	c. Other deaths from unknown or unspecified causes														

TABLE A.

Showing deaths from some of the principal diseases during the past 12 years.

Years.	Births.		Deaths.		Cholera.		Small-pox.		Malaria.		Other Fevers.		Other infectious diseases.		Plague.		Dysentery and Diarrhoea.		Respiratory Diseases.		Infantile mortality under 1 year.		Children between 1 and 5 years		Still-births.
	No. of Births Registered exclusive of still-births.	Birth-rate.	No. of Deaths Registered exclusive of still-births.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	Deaths.	Death-rate.	
1929	23,124	43·7	22,415	42·4	16	0·03	506	1·0	681	1·3	1861	3·5	612	1·2	...	...	3127	5·9	6695	12·7	5933	256·6	3875	94·0	1281
1930	25,662	48·5	22,839	43·2	43	0·08	188	0·4	283	0·5	2097	3·9	411	0·8	...	...	3056	5·8	6331	12·0	6258	243·9	3633	88·1	1260
1931	25,738	39·8	23,162	35·8	153	0·2	24	0·04	277	0·4	1914	3·0	1347	2·1	...	...	2746	4·2	5743	8·9	6391	248·3	3767	61·3	1318
1932	27,996	43·3	22,290	34·4	5	0·08	176	0·3	165	0·3	1747	2·7	1403	2·2	1	0·002	2644	4·1	5509	8·5	6622	236·5	3609	58·8	1326
1933	28,533	44·1	24,500	37·9	62	0·1	137	3·3	140	0·2	2185	3·3	519	0·8	...	...	2670	4·1	5967	9·2	7540	264·4	4154	67·7	1380
1934	28,149	43·5	23,659	36·6	166	0·3	131	0·2	193	0·3	2242	3·4	1163	1·8	...	...	2008	3·1	6905	10·6	6424	228·2	3893	63·4	1378
1935	31,031	47·9	24,955	38·6	145	0·22	59	0·09	167	0·26	2491	3·89	607	0·9	...	...	2320	3·6	7463	11·6	6948	223·9	4380	71·3	1414
1936	29,189	45·1	23,660	36·6	140	0·22	3	0·005	113	0·18	1799	2·8	601	0·9	...	...	2208	3·4	7546	11·7	6318	216·5	3990	65·0	1415
1937	30,958	47·8	25,674	39·7	232	0·36	196	0·3	78	0·12	2036	3·1	538	0·8	...	...	2133	3·3	7831	12·1	6836	220·8	4611	74·9	1400
1938	30,985	47·9	26,282	40·6	36	0·06	561	0·87	50	0·08	2183	3·4	455	0.7	...	...	2308	3·6	7389	11·4	6881	222·1	4476	72·9	1321
1939	31,665	48·92	29,808	46·05	2	0·003	268	0.41	43	0·07	2108	3·26	441	0·68	...	...	3624	5·60	8566	13·2	7651	241·62	5325	86·7	1402
1940	33,238	51·35	26,125	40·36	...	...	31	0·05	29	0·04	1918	2·96	481	0·74	...	...	3352	5·18	7,080	10·94	6,837	205·70	4110	66·94	1403

TABLE B.

Showing Rainfall in 1940.

Years.	1st. quarter. January to March.	2nd. quarter. April to June.	3rd. quarter. July to September.	4th. quarter. October to December.	Total.
	Inches.	Inches.	Inches.	Inches.	Inches.
1935	0·57	1·23	14·26	24·28	40·34
1936	3·70	3·53	12·39	24·63	44·25
1937	0·07	4·72	15·53	41·06	61·38
1938	1·99	2·04	11·94	10·49	26·46
1939	0·94	6·40	7·35	18·93	33·62
1940	0·26	6·75	11·01	34·18	52·20

Showing births, deaths and Infantile deaths and rates for different communities in 1939 and 1940.

Race or Caste.	Population according to the census of 1931.	1940.						1939.					
		Total number of Births.	Birth rate.	Total number of Deaths.	Death rate.	Infantile Deaths.	Infantile Death rate.	Total number of Births.	Birth rate.	Total number of Deaths.	Death rate.	Infantile Deaths.	Infantile Death rate.
Europeans	3,581	34	9·49	20	5·59	1	29·41	39	10·9	24	6·7	1	25·6
Anglo-Indians ...	10,657	386	36·22	231	21·68	41	106·22	350	32·8	230	21·6	42	120·0
Indian Christians ...	39,884	1,559	39·09	1,144	28·65	257	164·85	1,519	38·1	1,283	32·2	297	195·5
Hindus ...	520,176	28,115	54·05	21,803	41·91	5,773	205·34	26,641	51·2	24,921	48·0	6,469	242·8
Muhammadans...	70,031	3,144	44·80	2,922	41·72	765	243·32	3,105	44·3	3,325	47·5	842	271·2
Others	2,901	...	....	5	1·72	...	...	11	3·8	25	8·6	...	...
Total	6,47,230	33,238	51·35	26,125	40·36	6,837	205·70	31,665	48·92	29,808	46·05	7,651	241·62

Showing births, deaths and rates for principal sub-divisions of the Hindu community for 1939 and 1940.

Name of Community.	Population.	1940.				1939.			
		Total Births.	Birth Rate.	Total Deaths.	Death Rate.	Total Births.	Birth Rate.	Total Deaths.	Death Rate.
Brahmins	58,761	2,397	40·8	1,285	21·8	2,425	41·3	·1,568	26·6
Chetties ...	37,949	1,874	49·4	1,467	38·7	1,922	50·6	1,601	42·1
Vellala or Mudaliars.	86,716	3,388	39·1	2,492	28·7	4,091	47·2	3,436	39·6
Balija or Naidus ...	60,263	2,317	38·4	1,853	30·7	2,630	43·6	2,379	39·5
Vanniar or Naickers.	69,650	4,149	59·6	3,250	46·7	4,214	60·5	3,868	55·5
Harijans or Adi-Dravidas ...	73,701	3,794	51·5	3,281	43·2	4,446	60·3	4,198	56·9
Patnavars ...	11,309	494	43·7	374	33·1	446	39·4	767	67·8
Yadaval or Idayers...	17,022	880	51·7	767	45·1	948	55·6	838	49·2
Viswakarma Brahmins or Kammalars.	15,670	727	46·4	581	37·1	747	47·6	708	45·1

Showing births, deaths and infantile death-rates by months in 1939 and 1940.

Months.	1940						1939					
	Total No. of Births.	Birth Rate.	Total No. of Deaths.	Death Rate.	Infantile Deaths.	Infantile Death rate on 1000 live Births.	Total No. of Births.	Birth Rate.	Total No. of Deaths.	Death Rate.	Infantile Deaths.	Infantile Death rate on1000 live Births.
January ...	2379	44·1	2334	43·3	581	244·2	1986	36·8	2270	42·1	565	284·5
February ...	2281	42·3	2055	38·1	480	210·4	1785	33·1	2277	42·2	534	299·1
March ...	2585	47·9	1858	34·5	393	152·0	2241	41·6	2354	43·6	537	239·6
April ...	2929	54·3	2066	38·3	527	180·0	2254	41·8	2175	40·3	519	230·3
May ...	2783	51·6	2116	39·2	598	215·0	2464	45·7	2612	48·4	657	266·6
June ...	2596	48·1	1982	36·8	567	218·4	2658	49·2	2319	42·9	544	204·7
July ...	2776	51·5	2207	41·0	583	210·1	2879	53·4	2073	38·4	544	188·9
August ...	3097	57·4	2144	39·8	566	182·8	3215	59·6	2427	45·0	624	194·1
September ...	2917	54·1	1795	33·3	498	170·7	3127	58·0	2133	39·5	510	163·1
October ...	2656	49·2	1939	35·9	493	185·6	3100	57·5	2727	50·5	792	255·5
November ...	3340	62·0	2397	44·4	666	199·4	2846	52·7	3355	62·2	1036	364·0
December ...	2899	53·8	3232	59·9	885	305·3	3110	57·6	3086	57·2	789	253·7
Total ...	33,238	51·35	26,125	40·36	6837	205·70	31665	48·92	29808	46·05	7651	241·62

Showing Deaths among children under 1 year of age with death rates per 1000 live-births registered in 1939 and 1940.

Divisions.	1940		1939	
	Infantile Mortality.	Infantile Death-Rates.	Infantile Mortality.	Infantile Death-Rates.
1	171	248·2	188	293·3
2	111	169·5	149	251·7
3	321	194·9	360	232·5
4	340	238·4	371	266·0
5	324	228·9	359	283·3
6	103	245·8	97	261·0
7	156	227·1	132	177·7
8	58	193·3	54	181·2
9	137	228·3	138	221·1
10	79	197·0	86	218·3
11	150	200·5	172	238·2
12	69	202·9	101	312·7
13	236	204·7	277	261·3
14	153	206·2	176	230·0
15	81	231·4	94	259·7
16	121	260·7	113	243·6
17	306	227·7	338	258·2
18	204	238·9	221	262·4
19	305	216·7	379	275·4
20	188	217·8	235	252·4
21	226	238·0	237	243·4
22	105	145·2	91	158·0
23	190	195·7	228	256·2
24	101	187·7	113	216·9
25	206	227·8	192	239·4
26	169	194·4	194	222·7
27	129	127·2	159	161·1
28	136	184·8	137	223·8
29	84	161·9	103	223·4
30	162	198·8	204	241·0
31	227	211·4	262	246·0
32	157	153·5	194	200·4
33	152	218·4	135	207·0
34	152	225·2	184	255·6
35	376	216·7	432	273·8
36	147	174·2	177	225·2
37	190	202·9	207	245·0
38	109	163·2	127	227·6
39	104	175·4	113	215·2
40	102	225·7	122	313·7
Total.	6,837	205·70	7,651	241·62

'Showing infantile mortality by months in 1940.

Months.	Small-pox.	Measles.	Malaria.	Other fevers	Dysentery and Diarrhoea.	Premature Birth.	Debility.	Nervous System.	Respiratory System.	All other Causes.	Total of 1940.			Total of 1939.
											Males.	Females.	Total.	
January ...	1	....	...	3	55	238	10	26	169	79	286	295	581	565
February ...	...	....	....	5	37	202	12	24	137	63	250	230	480	534
March ...	....	1	....	15	45	123	10	28	126	45	200	193	393	537
April ...	....	....	...	12	56	156	21	26	175	81	285	242	527	519
May ...	...	...	...	27	59	167	30	48	182	85	351	247	598	657
June ...	...	...	...	20	95	140	15	39	186	72	317	250	567	544
July ...	....	...	...	16	72	140	19	35	233	68	311	272	583	544
August ...	...	....	...	15	70	140	30	36	199	76	286	280	566	624
September ...	....	...	....	7	51	161	14	31	156	78	274	224	498	510
October ...	....	....	....	18	51	168	24	38	153	41	264	229	493	792
November ...	...	...	...	29	93	202	27	53	205	57	353	313	666	1036
December ...	...	....	...	25	161	247	33	73	289	57	435	450	885	789
Total ...	1	1	...	192	845	2,084	245	457	2,210	802	3,612	3,225	6,837	7,651

Showing percentage of Infantile Deaths from Principal causes in 1940.

Age Periods	Small-pox		Measles		Malaria		Other Fevers		Diarrhoea and Dysentery		Premature Birth		Debility		Nervous System		Respiratory System		All other Causes		Total	
	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio	Total	Ratio
Under 7 days ...	...	...	...	...	...	...	7	0·5	10	0·7	1196	83·6	5	0·35	46	3·2	7	0·5	159	11·1	1430	20·9
7 Days and under 1 Month.	...	...	...	...	...	...	10	1·1	32	3·5	658	71·5	19	2·1	50	5·4	31	3·4	120	13·0	920	13·4
1 Month & under 4 Months.	...	...	...	...	...	...	44	2·9	207	13·4	225	14·6	126	8·2	185	12·0	564	36·5	191	12·4	1542	22·5
4 Months & under 7 Months.	1	0·1	...	...	...	...	52	4·2	241	19·4	4	0·3	51	4·1	98	7·9	674	54·3	121	9·7	1242	18·2
7 Months & under 10 Months	...	...	1	0·1	...	...	44	4·0	242	22·1	1	0·1	29	2·7	55	5·0	585	53·4	138	12·6	1095	16·0
10 Months & under 1 year...	...	...	...	...	...	...	35	5·7	113	18·6	...	...	15	2·5	23	3·8	349	57·4	73	12·0	608	9·0
Total ...	1	0·01	1	0·01	...	...	192	2·8	845	12·4	2084	30·5	245	3·6	457	6·7	2210	32·3	802	11·7	6837	100·0

VACCINATION. Showing particulars

Divisions.	Districts.	Population according to the census of 1931	Number of Depots	Number of Vaccinators	Total Number of Persons Vaccinated			Average No. of Persons Vaccinated by each Vaccinator	Primary		
					Males	Females	Total		Total		
									Males	Females	Total
1	2	3	4	5	6	7	8	9	10	11	12
1					3,384	2,773	6,157		432	440	872
2					1,573	1,406	2,979		331	282	613
3					3,197	2,718	5,915		683	615	1,298
4					2,395	26,26	5,021		663	626	1,289
5					3,583	3,746	7,329		739	668	1,407
6					3,817	2,944	6,761		275	241	516
7					1,922	1,638	3,560		342	363	705
8					6,271	2,188	8,459		224	215	439
9					1,719	1,552	3,271		348	326	674
10					1,750	1,409	3,159		227	245	472
11					1,432	1,213	2,645		354	295	649
12					2,645	1,459	4,104		243	198	441
13					1,980	2,405	4,385		451	494	945
14					3,159	2,810	5,969		467	425	892
15					3,215	1,468	4,683		218	185	403
16					2,230	1,470	3,700		315	297	612
17					6,780	3,065	9,845		794	698	1,492
18					3,936	2,228	6,164		587	531	1,118
19					4,145	3,448	7,593		768	683	1,451
20					2,286	2,126	4,412		443	438	881
21					2,141	1,890	4,031		390	381	771
22					2,002	1,470	3,472		329	267	596
23					3,508	2,897	6,405		545	546	1,091
24					2,298	1,962	4,260		344	306	650
25					2,055	2,328	4,383		398	430	828
26					2,651	2,465	5,116		455	431	886
27					2,013	1,291	3,304		231	233	464
28					1,927	1,881	3,808		340	317	657
29					2,057	2,054	4,111		319	303	622
30					2,924	2,174	5,098		477	395	872
31					2,615	2,223	4,838		460	441	901
32					2,035	1,296	3,331		393	367	760
33					1,662	1,337	2,999		377	433	810
34					3,356	2,904	6,260		446	373	819
35					3,083	2,876	5,959		800	664	1,464
36					2,337	2,098	4,435		667	534	1,201
37					3,829	2,043	5,872		390	379	769
38					2,292	1,573	3,865		408	368	776
39					1,772	1,156	2,928		285	314	599
40					1,039	653	1,692		313	274	587
	Total ...	6,47,230	17	74	1,09,015	83,263	192278	1335	17,271	16,021	33,292

of Vaccinations during 1940 — STATEMENT No. I.

Vaccinations.					Re-Vaccinations.			Percentage of successful cases in which the results were known.		Persons successfully vaccinated per 1000 of population.	Average annual number of persons successfully vaccinated during the previous five years.		Average annual No. of deaths from Small-pox during the previous five years.		Average cost of each successful vaccination.
Successful.															
Under one year.	One year and under six years.	Six years and above	Total.	Unknown.	Total.	Successful.	Unknown.	Primary.	Re-Vaccination.		Number.	Ratio per 1000 of population.	Number.	Ratio per 1000 of population.	
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
616	221	31	868	3	5,285	266	2,993	99·8	11·6						
446	131	31	608	...	2,366	84	1,346	99·2	8·2						
1,030	234	31	1,295	...	4,617	189	2,521	99·8	9·0						
1,063	193	23	1,279	2	3,732	172	1.116	99·4	7·0						
971	394	26	1,391	3	59,22	370	2,118	99·1	9·7						
333	128	1	467	43	6,245	255	2,789	98·7	7·4						
518	184	1	703	...	2,855	190	898	99·7	9·7						
289	132	...	421	13	8,020	317	4,853	98·8	10·0						
464	210	...	674	...	2,597	134	312	100·0	6·0						
352	110	...	462	9	2,687	144	847	99·8	7·8						
495	154	...	649	...	1,996	235	183	100·0	13·0						
262	179	...	441	...	3,663	317	133	100·0	8·9						
664	280	...	944	...	3,440	208	186	99·9	6.4						
741	151	...	892	...	5,077	624	1,491	100·0	17·4						
288	115	...	403	...	4,280	195	1,830	100·0	8·0						
434	176	...	610	...	3,088	188	763	99·7	8·1						
1,212	270	2	1,484	1	8,353	331	1,804	99·6	5·1						
874	222	4	1,100	10	5,046	178	1,227	99·3	4·7						
1,209	234	8	1,451	...	6,142	328	1,119	100·0	6·5						
734	143	2	879	...	3,531	330	721	99·8	11·7						
650	121	...	771	...	3,260	94	132	100·0	3·0						
416	177	...	593	...	2,876	80	324	99·5	3·1						
842	232	13	1,087	2	5,314	303	176	99·8	6·0						
532	83	23	638	3	,3610	194	2,241	98·6	14·2						
709	84	14	807	16	3,555	179	2,151	99·4	12·8						
696	115	37	848	27	4,230	199	2,650	98·7	12·6						
360	64	8	432	22	2,840	112	1,918	97·7	12·1						
546	110	...	656	...	3,151	241	1,385	99·8	13·7						
489	131	...	620	...	3,489	193	1 392	99·7	9·2						
533	292	11	836	29	4,226	239	1,077	99·2	7·6						
616	246	7	869	27	3,937	323	698	99·4	10·0						
583	154	18	755	...	2,571	202	653	99·4	11·0						
556	228	18	802	...	2,189	93	690	99·0	6·2						
586	171	37	794	21	5.441	284	1,450	99·5	7·1						
1,023	441	...	1,464	...	4,495	262	571	100·0	6·7						
887	312	...	1,199	...	3,234	206	331	99·8	7·1						
520	231	14	765	...	5,103	232	1,370	99·5	6·2						
481	266	17	764	4	3,089	88	717	99·0	3·7						
390	191	9	590	...	2,329	43	476	98·5	2·3						
412	161	9	582	...	1,105	35	113	99·2	3·5						
24,827	7671	395	32893	235	158986	8657	49765	99·5	7·9	64·2	36812	56·9	238	0·36	

1-4-2

VACCINATION. STATEMENT No. II.

Showing the number of Births (Divisional and Hospital) verified and the number of infants vaccinated under one year of age during 1940.

Divisions.	Total Births excluding still births.		Still. Births.		Deaths under one year without being Vaccinated		Number of infants Surviving.		No. of infants Vaccinated under one year of age.		Percentage of vaccinations to births registered.	
	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.	Divisional.	Hospital.
1	463	230	9	8	90	40	373	190	246	83	53·1	36.1
2	382	255	6	14	46	18	336	237	203	112	53·1	43·9
3	756	578	19	57	108	79	648	499	470	220	62·2	38·1
4	885	578	19	6	159	86	726	492	517	254	58·4	44·0
5	927	434	31	8	149	69	778	365	467	152	50·4	35·0
6	296	92	11	7	51	13	245	79	148	17	50.0	18·5
7	473	207	19	11	72	32	401	175	194	64	41·0	31·0
8	178	101	8	4	23	11	155	90	101	25	57.0	24·7
9	356	289	8	11	56	58	300	231	199	97	56·0	33·6
10	264	149	22	2	47	16	217	133	132	46	50.0	31·0
11	456	304	12	16	79	47	377	257	219	85	48·0	28·0
12	258	68	4	8	55	11	203	57	108	22	41·9	32·4
13	726	430	15	33	142	76	584	354	390	139	53·7	32·3
14	533	258	7	17	66	31	467	227	317	109	59·5	42·3
15	291	132	5	7	43	17	248	115	167	56	57.4	43·0
16	369	161	8	15	54	32	315	129	206	59	55·8	36·7
17	1401	268	29	13	148	40	1253	228	845	136	60·3	50·8
18	856	179	17	11	127	30	729	149	578	123	67·5	69·0
19	1066	428	35	14	153	72	913	356	733	192	69·0	44·9
20	653	283	31	18	106	46	547	237	435	140	66·7	49·5
21	650	380	9	10	111	70	539	310	332	194	51·1	51·1
22	319	339	7	19	42	27	277	312	203	91	63·6	27·0
23	502	452	8	20	76	82	426	370	342	238	68·1	52·7
24	289	283	10	10	35	38	254	245	203	158	70·3	56·1
25	451	418	21	13	65	68	386	350	285	229	63·2	55·0
26	373	531	22	20	42	83	331	448	249	287	66·8	54·1
27	196	289	24	74	35	25	161	264	118	92	60·2	31·9
28	303	393	13	7	55	81	248	312	211	240	70·0	61·1
29	348	164	9	4	37	29	311	135	258	98	74·1	60·0
30	483	369	7	28	63	49	420	320	235	108	48·6	29·3
31	555	480	11	49	62	84	493	396	273	154	49·2	32·1
32	406	414	10	45	63	54	343	360	245	162	60·3	39·1
33	392	306	3	11	60	51	332	255	201	110	51·3	32·7
34	422	323	10	20	61	41	361	282	232	130	55·0	40·3
35	1009	651	38	39	141	98	868	553	530	252	52·5	38·7
36	491	369	19	21	71	56	420	313	282	190	57·4	51·5
37	616	274	15	26	92	40	524	234	295	71	47·8	25·9
38	499	152	11	11	71	21	428	131	290	59	58·1	39·0
39	404	175	13	4	18	6	386	169	284	46	70·3	26·3
40	315	124	4	7	26	5	289	119	238	67	75·6	55·0
Total.	20612	12310	579	718	3000	1832	17612	10478	11981	5107	58·1	41·5

VACCINATION. STATEMENT No. III.

Showing the number of Births verified and the number of infants vaccinated under one year of age during 1940.

Year.		Total No. of births excluding still-births.	Number of children in column 2 who died before attaining the age of one year without being vaccinated.	Number of children in column 2 who left the city before attaining the age of one year without being vaccinated.	Number of children in column 2 who were available for vaccination (column 2 *minus* columns 3 and 4)	Number of children in column 5 who were vaccinated before they attained the age of one year.	Percentage of column 6 to column 5.	Number of children in column 5 whose vaccination was postponed beyond one year of age for medical reasons.
1		2	3	4	5	6	7	8
1938	Divisional ...	19,546	3,001	3,338	13,207	10,340	78·3	1,105
	Hospital ...	11,589	1,547	2,913	7,129	3,847	54·0	501
1939	Divisional ...	18,757	2,788	2,979	12,990	11,133	85·7	397
	Hospital ...	11,611	1,546	2,791	7,274	4,510	62·0	99
1940	Divisional ...	20,612	3,000	3,938	13,674	11,981	87·6	720
	Hospital ...	12,310	1,832	2,945	7,533	5,107	67·8	285

VACCINATION. STATEMENT No. IV.

Showing Vaccinations performed in the City of Madras by months during 1940.

Months	Primary Vaccinations			Result			Re-vaccinations			Result		
	Males	Females	Total	Successful	Unsuccessful	Unknown	Males	Females	Total	Successful	Unsuccessful	Unknown
January ...	1,605	1,481	3,086	3,068	2	16	7,717	4,362	12,079	685	7,074	4,320
February ...	1,624	1,476	3,100	3,080	6	14	9,716	5,504	15,220	904	7,895	6,421
March ...	1,625	1,493	3,118	3,087	5	26	7,039	4,550	11,589	912	6,588	4,089
April ...	1,456	1,337	2,793	2,762	18	13	7,569	5,177	12,746	664	8,619	3,463
May ...	1,344	1,222	2,566	2,536	6	24	7,841	6,949	14,790	1,104	9,966	3,720
June ...	1,255	1,254	2,509	2,483	13	13	7,450	6,125	13,575	1,054	9,406	3,115
July ...	1,492	1,478	2,970	2,927	29	14	9,747	6,103	15,850	670	9,442	5,733
August ...	1,499	1,477	2,976	2,890	23	63	8,033	6,877	14,910	768	10,032	4,110
September ...	1,333	1,195	2,528	2,491	20	17	6,836	5,814	12,650	540	8,599	3,511
October ...	1,452	1,294	2,746	2,701	21	24	6,738	5,286	12,024	422	7,979	3,623
November ...	1,322	1,152	2,474	2,460	9	5	6,569	4,909	11,478	478	7,263	3,737
December ...	1,264	1,162	2,426	2,408	12	6	6,489	5,586	12,075	456	7,701	3,918
Total ...	17,271	16,021	33,292	32,893	164	235	91,744	67,242	1,58,986	8,657	100,564	49,765

SANITATION. STATEMENT No. I.

Showing areas sewered and yet to be sewered.

Division No. (old)	Names of Areas.	Length of sewers in ft. laid during 1940	Length of sewers in ft. laid upto 31-12-1940	Percentage of sewered portion upto 31-12-1940	Percentage yet to be sewered,	Remarks.
				%	%	
1	Royapuram ...	1,004	48,127	93	7	
2	Tondiarpet ...	2,081	46,959	85	15	
3	Washermenpet ...	...	57,283	97	3	
4	Korrukkpet ...	...	30,459	73	27	
5	Harbour ...	...	30,771	94	6	
6	Muthialpet ...	...	27,001	97	3	
7	Katchaleeswaranpet ...	...	35,920	92	8	
8	Kothawal Bazaar ...	...	23,345	100	...	
9	Ammen Kovil ...	...	27,687	100	...	
10	Seven Wells ...	...	29,305	100	...	
11	Sowcarpet	...	18,379	100	...	
12	Peddu Naickenpet	...	33,171	99	1	
13	Trevelyan Basin ...	...	32,171	97	3	
14	Esplanade ...	...	10,586	90	10	
15	Park Town ...	...	21,534	95	5	
16	Perambur ...	...	51,149	71	29	
17	Choolai	1,752	49,129	75	25	
18	Purasawalkam ...	...	54,659	99	1	
19	Vepery ...	2,470	48,244	92	8	
20	Egmore	2,075	1,02,820	99	1	
21	Kilpauk ...	2,924	83,339	92	8	
22	Nungambakkam ...	9,441	1,29,006	90	10	
23	Chintadripet	787	42,392	90	10	
24	Thiruwateeswaranpet ...	...	56,379	91	9	
25	Chepauk ...	...	22,506	91	9	
26	Triplicane ...	494	30,924	93	7	
27	Amirmahal ...	1,131	29,899	90	10	
28	Mirsahibpet ...	3,556	1,01,381	99½	½	
29	Royapettah ...	15,877	1,06,769	90	10	
30	Mylapore ...	....	1,23,431	95	5	
	Total ...	43,599	15,04,725	92·32	7·68	

SANITATION. STATEMENT No. II.

Showing the disposal of applications relating to licences.

No.	Description.	No. of Cases dealt with.	No. Sanctioned.	No. Refused.	No. Pending.	Remarks.
1	Aerated Water and Ice Factories ...	43	37	2	4	
2	Bakery, Sweet-meat and Coffee hotels...	672	646	14	12	
3	Candles and Soaps ...	16	14	2	...	
4	Cocoanut fibre, Flax, Hemp and Jute ...	8	8	...	...	
5	Cattle yards ...	1938	1706	122	110	
6	Bones, Hoofs, Hairs, Wool and Horns.	18	18	...	...	
7	Cart Stands ...	24	21	3	...	
8	Dairy Produce ...	391	383	8	...	
9	Flour ...	115	103	12	...	
10	Gilding, Condiments ...	128	122	5	1	
11	Hack-stables ...	26	26	...	...	
12	Dyeing ...	47	46	1	...	
13	Onion and Garlic ...	68	68	...	...	
14	Oil, Oil Mills ...	423	418	5	...	
15	Lodging houses ...	120	117	3	...	
16	Markets ...	42	42	...	...	
17	Meat ...	215	38	127	50	
18	Spirits, Turpentine, Chemicals and Rosin ...	180	178	2	...	
19	Laundries ...	45	44	1	...	
20	Fish and Fins ...	22	22	...	...	
21	Skins, Hides and Leather ...	125	122	3	...	
22	Paddy boiling ...	3	3	...	...	
23	Sugar ...	23	23	...	...	
24	Catgut, Offal and Tallow ...	14	14	...	...	
25	Snuff ...	101	101	...	..	
26	Cotton ...	30	30	...	...	
27	Eating Houses ...	1383	1262	121	...	
28	Swine ...	...	...	...	...	
29	Lime Kilns ...	38	23	15	...	
30	Beedy Manufacturing ...	164	145	8	11	
31	Manufacturing of Cigars, Cigarettes ...	192	186	6	...	
32	Camphor Storage and boiling ...	25	24	...	1	
33	Shaving Saloons ...	728	715	13		
34	Husking of Paddy ...	8	8	...	...	
35	Groundnut Storage ...	18	18	...	...	
36	Grain Storage ...	33	33	...	...	
37	Gold refining ..	2	2	...	...	
38	Poultry ...	6	6	...	...	
	Total ...	7434	6772	473	189	

SANITATION. STATEMENT No. III.

Showing unwholesome articles of food destroyed

Appams, iddlies and other rice preparations.	...	2,306 Baskets.
Beef	...	1,718 lbs.
Bread ...	...	3,469 Nos.
Butter ...	....	144 lbs.
Butter-milk ...	...	.... 211 Pots.
Coffee and tea ...	...	3,237 Kettles.
Curd	...	.... 212 Pots.
Eggs ...	...	.... 3,015 Nos.
Fish (dried) ...	...	.... 365 Baskets.
Fish (raw) ...	....	.... 576 „
Fruits ...	....	... 33,340 Nos.
		630 Baskets.
		62 Trays.
Ghee ...	...	... 14 Tins.
Goat heads	....	... 219 Nos.
Goat legs ...	...	... 437 „
Grains ...	....	... 315 Baskets.
Greens ...	...	... 710 „
Milk	....	... 329 Measures.
Mutton (raw)	....	... 737 Seers.
Mutton (cooked) ...	....	.... 772 Plates.
Pork	...	.... 621 lbs.
Prawns ...	...	... 490 Baskets.
Preserved food stuffs	...	... 169 Tins.
Sweetmeat	...	... 183 Visses.
		193 Trays.
Syrup and aerated waters	...	... 2,732 Bottles.
Trash ...	...	... 3,583 Baskets.
		226 Trays
		992 Nos.
Vegetables	...	... 1,989 Baskets.
		1,044 Nos.

MEDICAL RELIEF. STATEMENT No. 1.

Showing cases treated in Corporation dispensaries in 1940

Serial No.	Name of Dispensary.	Year in which Dispensary was opened.	New Cases.	Total No. of cases treated.		Total No. of Operations Performed.		Remarks.
				1940	1939	1940	1939	
1	Royapuram dispensary	1924	40,572	1,24,884	89,714	308	206	
2	Washermanpet ,,	1913	55,271	1,35,440	1,09,990	479	161	
3	Harbour ,,	1929	78,649	1,92,398	1,60,905	393	253	
4	Mannady Unani ,,	1938	33,046	1,27,523	1,14,505	67	47	
5	Mafuskhan ,,	1923	47,822	1,13,157	1,03,383	318	305	
6	Mint Street ,,	1923	62,607	1,64,818	1,62,531	711	409	
7	Trevelyan Basin ,,	1919	75,755	1,58,923	1,57,166	552	670	
8	Perambur ,,	1928	44,639	98,345	70,062	655	337	
9	Vyasarpady ,,	1929	34,363	78,432	75,905	654	620	
10	Kosapet ,,	1929	41,397	82,272	77,534	1138	1204	
11	Baliah Naidu ,,	1899	53,096	1,11,267	1,06,881	581	561	
12	Kilpauk ,,	1919	51,232	89,976	84,687	182	192	
13	Nungambakkam ,,	1923	32,044	74,796	85,474	78	71	
14	Chintadripet ,,	1909	75,162	1,45,312	1,52,507	727	826	
15	Pudupakkam ,,	1924	45,408	1,24,036	1,05,455	1396	552	
16	Triplicane ,,	1918	53,372	1,14,348	1,17,822	425	389	
17	Teynampet ,,	1927	30,900	66,062	62,558	574	553	
18	Thyagarayanagar ,,	1922	30,235	88,060	1,08,537	206	158	Shifted from Pulianthope
19	Mylapore ,,	1924	46,334	1,78,433	1,49,614	1015	965	
20	Pulianthope Unani dispensary	1930	38,727	1,05,897	86,190	160	145	
21	Chulai Siddha ,,	1931	66,127	1,60,124	1,45,188	188	151	
22	Thousand Lights Ayurvedic ,,	1930	23,048	56,718	73,857	217	511	
23	Thayar Sahib St. Unani ,,	1932	51,988	1,43,304	1,28,704	112	83	
24	Egmore ,,	1923	22,316	56,493	50,838	233	218	Shifted from Mannady.
25	Perambur Siddha ,,	1938	42,777	1,00,364	1,28,720	113	201	
26	Krishnampet ,,	1938	28,083	73,991	67,663	177	141	
27	Pudupet ,,	1939	30,022	81,788	17,462	89	12	Opened on 25-9-1939.

Statement of skin and leprosy cases treated at the Ice House Road skin and leprosy clinic and other Corporation dispensaries in the year 1940

Name of the Institution.	Date of opening.	Details of Leprosy Work.									Skin Diseases		Total attendance. New & old skin and leprosy cases.	Average monthly attendance.
			Types of Leprosy		Results of Treatment.									
		New leprosy cases.	No. of infective cases.	No. of non-infective cases.	Number cured.	Number improved	Number symptom-free	Number arrested	Number otherwise	No. of injections for leprosy	No. of new skin cases.	No. of injections for skin cases.		
Ice House Road Skin & Leprosy Clinic.	2-2-1934	401	105	296	....	220	15	6	160	7,253	10,448	396	41,704	3,475
Vyasarpady Clinic.	4-8-1931	147	55	92	...	56	2	37	52	4,448	1,279	....	5,727	483
Other Corporation Dispensaries.	1935	168	...	...	...	...	...	....	....	682	78,563	....	1,21,089	10,696
Grand total.	....	716	...	....	....	...	...	...	...	12,383	90,290	396	1,68,520	14,654

MEDICAL RELIEF.

Showing cases treated in the venereal clinic in 1938, 1939 and 1940

STATEMENT No. III.

Year.	New Cases treated.			New and Old Cases treated.			Daily average (New & Old)
	Men.	Women.	Total.	Men.	Women.	Total.	
1938	632	138	770	10,436	1,932	12,368	33·9
1939	929	152	1,081	16,242	1,666	17,908	49·0
1940	1,276	259	1,535	21,517	2,437	23,950	65·6

MEDICAL RELIEF. STATEMENT No. IV.

Showing the number of cases admitted, discharged and died under various diseases in the Infectious Diseases Hospital, Tondiarpet, during 1940

Details	Small-pox	Chicken-pox	Measles	Cholera	Diarrhoea	Gastro Enteritis	Mumps	Enteric fever	Meningitis	Diphtheria	A. Dysentery	Bacillary Dysentery	Secondary Syphilis	Nephritis	Urticaria	Herpes	Tonsilitis	Pyrexia of unknown origin	Other Diseases	Total
Patients remaining in the hospital on 31st Dec. 1939 midnight. ...	1	25	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	1	28
Patients admitted for treatment from 1st Jan. '40 to 31st Dec. '40. ...	89	1,377	59	...	12	52	2	...	3	...	7	26	6	1	4	3	6	2	28	1,677
Total number discharged from 1st Jan. '40 to 31st Dec. '40. ...	64	1,371	58	...	10	47	2	...	1	...	6	19	6	1	4	3	6	1	23	1,622
Total number died from 1st January '40 to 31st Dec. '40.	25	...	...	...	2	4	...	...	2	...	1	7	...	...	...	...	...	1	2	44
Mortality percentage.	28·0	...	...	...	16·6	7·6	...	...	66·6	...	14·2	26·9	...	...	...	...	...	50	7·1	2·6
Patients remaining in the hospital on the 31st Dec. '40 midnight. ...	...	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3	11

STATEMENT No. V.

Showing the number of cases admitted, discharged and died under various diseases in the Infectious Diseases Hospital, Krishnampet, during the year 1940

Details.	Small-pox.	Chicken-pox.	Measles.	Cholera.	Dysentery.	Diarrhoea.	Mumps.	Whooping cough.	Pneumonia.	Enteric fever.	Malaria.	Pyrexia of unknown origin.	Kala Azar.	Pulmonary tuber-culosis.	Secondary syphilis	Meningitis.	Diphtheria.	Other diseases.	Total.
Patients remaining in the hospital on 31st December 1939...	...	5	...	....	....	....	....	....	....	....	....	....	...	1	....	...	....	2	8
Patients admitted from 1st January 1940 to 31st December 1940 ...	5	433	28	....	5	....	3	1	....	...	2	...	....	1	2	1	...	128	609
Total number treated ...	5	438	28	...	5	....	3	1	....	...	2	...	...	2	2	1	....	130	617
Total number discharged ...	3	434	28	...	5	...	3	1	....	...	2	...	....	1	2	1	...	97	577
Total number died ...	2	1	....	....	...	....	....	....	....	....	....	....	....	1	...	...	...	30	34
Mortality rate per cent ...	40·0	0·23	...	....	...	....	....	...	...	....	....	....	...	50·0	....	...	...	23·03	5·51
Patients remaining in the hospital on 31st December 1940...	...	3	....	....	....	....	....	....	....	....	....	....	....	....	....	...	...	3	6

MEDICAL RELIEF. STATEMENT No. VI.

Showing the Vaccinal conditions of Small-pox patients treated in the Infectious Diseases Hospitals during 1940

Age.	Vaccinated as evidenced by the presence of one or more vaccination cicatrix.	Stated to have been succesfully vaccinated but no vaccination cicatrix present.	Stated to be unvaccinated or vaccinated unsuccessfully and no vaccination cicatrix present.	Previously unvaccinated but vaccinated during incubation period.	Stated to have been successfully re-vaccinated.
Under 1 year	...	...	1	3	...
2 years	...	...	3	...	...
3 „	...	1	2	...	...
4 „	...	...	...	...	...
5 „	...	...	1	...	...
6 „	...	...	...	2	...
7 „	...	...	1	...	...
8 „	...	...	...	1	...
9 „	...	1	...	...	...
10 „	...	2	...	...	...
11 „	...	...	...	...	...
12 „	...	...	...	...	...
13 „	...	...	1	...	...
14 „	1	...	1	...	...
15 „	1	...	...	...	...
20 „	8	2	1	...	...
25 „	15	2	2	...	1
30 „	13	3	5	1	1
35 „	6	...	2	1	1
40 „	1	1	...	...	...
50 „	1	3	...	...	1
60 „	...	...	...	...	...
70 „	...	1	...	...	...
80 „ & upwards	...	...	...	...	...
Total	46	16	20	8	4

MEDICAL RELIEF. STATEMENT No. VII.

Showing the number of admissions in the Infectious Diseases Hospital, Tondiarpet, according to nationality and sex for the year 1940

Nationality	Males	Females
Hindus ...	1,002	357
Muhammadans ...	53	4
Anglo-Indians and Europeans ...	27	21
Others ...	130	83
Total ...	1,212	465

MEDICAL RELIEF. STATEMENT No. VIII.

Showing the number of admissions in the Infectious Diseases Hospital, Krishnampet, according to nationality and sex during the year 1940

Nationality	Males	Females
Europeans ...	2	...
Hindus ...	245	100
Muhammadans ...	65	6
Others ...	138	53
Total ...	450	159

No.	Defects.	Boys.								Girls.								Remarks.
		Entrants.			Regulars.			Total of Entrants & Regulars.		Entrants.			Regulars.			Total of Entrants & Regulars.		
		No. Defective.	Percentage. 1940-41	Percentage. 1939-40	No. Defective.	Percentage. 1940-41	Percentage. 1939-40	No Defective.	Percentage.	No. Defective.	Percentage. 1940-41	Percentage. 1939-40	No. Defective.	Percentage. 1940-41	Percentage. 1939-40	No. Defective.	Percentage.	
1	Malnutrition ...	1005	13·67	15·86	1033	10·97	10·26	2038	12·15	45	0·77	1·40	83	1·28	1·73	128	1·04	
2	Dirty head, body & nails ...	794	10·79	10·78	657	6·98	7·00	1451	8·65	222	3·80	4·19	143	2·21	2·26	365	2·96	
3	Teeth & Mouth ...	1167	15·86	17·00	1607	17·07	15·55	2774	16·54	463	7·93	12·14	654	10·10	11·09	1117	9·07	
4	Nose & Throat ...	1192	16·20	18·45	1330	14·13	16·00	2522	15·04	1082	18·54	26·63	1459	22·53	24·61	2541	20·64	
5	Eye diseases ...	255	3·47	2·83	344	3·65	2·63	599	3·57	129	2·21	2·67	210	3·24	2·65	339	2·75	
6	Vision ...	19	0·26	0·53	55	0·58	0·93	74	0·44	10	0·17	0·08	21	0·32	0·18	31	0·25	
7	Ear diseases ...	194	2·64	2·15	219	2·33	2·12	413	2·46	51	0·87	0·82	83	1·28	1·13	134	1·09	
8	Hearing ...	5	0·07	0·03	8	0·08	0·07	13	0·08	2	0·03	0·04	8	0·12	0·03	10	0·08	
9	Speech ...	22	0·30	0·17	32	0·34	0·31	54	0·32	3	0·05	0·04	10	0·15	0·09	13	0·11	
10	Circulatory System ...	68	0·92	1·56	85	0·90	1·30	153	0·91	18	0·31	0·27	14	0·22	0·17	32	0·26	
11	Tuberculosis ...	5	0·07	0·10	7	0·07	0·15	12	0·07	4	0·07	0·06	6	0·09	0·02	10	0·08	
12	Respiratory System ...	189	2·57	2·32	149	1·58	1·73	338	2·02	67	1·15	0·61	50	0·77	0·75	117	0·95	
13	Abdominal Organs ...	95	1·29	1·28	128	1·36	1·34	223	1·33	5	0·09	0·25	9	0·14	0·29	14	0·11	
14	Bones & Joints ...	260	3·53	2·85	282	3·00	2·15	542	3·23	14	0·24	0·25	20	0·31	0·26	34	0·28	
15	Nervous & Psychic Systems ...	16	0·22	0·25	15	0·16	0·30	31	0·18	7	0·12	0·06	7	0·11	0·02	14	0·11	
16	Infectious & Contagious diseases	664	9·03	9·69	881	9·36	9·70	1545	9·21	396	6·78	7·07	539	8·33	6·94	935	7·59	
17	Other diseases & defects ...	657	8·93	7·01	645	6·85	5·98	1302	7·76	135	2·31	2·52	174	2·69	2·47	309	2·51	
18	Vaccination ...	160	2·17	0·23	...	...	...	160	0·95	72	1·23	0·11	...	...	...	72	0·58	
19	Deformities ...	22	0·30	0·22	32	0·34	0·30	54	0·32	11	0·19	0·15	18	0·28	0·29	29	0·24	

MEDICAL INSPECTION. APPENDIX TO STATEMENT No. I.

Group.	No. on Roll.		Average daily attendance.		No. examined.		No. defective.		Percentage.		Remarks.
	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	Boys.	Girls.	
Entrants.	19,509	14,667	15,342	11,314	7,357	5,837	4,091	2,130	55·61	36·49	
Regulars.					4,914	6,475	4,708	2,718	50·01	41·98	
Total ...	19,509	14,667	15,342	11,314	16,771	12,312	8,799	4,848	52·47	39·38	

MEDICAL INSPECTION. STATEMENT No. II.

Height and Weight Table

Age.	Boys.		Girls.		Remarks.
	Average height in inches.	Average weight in pounds.	Average height in inches.	Average weight in pounds.	
5 Years	40·08	32·70	39·12	33·34	
6 ,,	41·62	34·21	41·12	32·65	
7 ,,	43·22	36·85	44·04	34·17	
8 ,,	45·36	39·92	45·01	39·00	
9 ,,	47·04	43·96	46·96	43·34	
10 ,,	48·76	47·44	49·18	47·33	
11 ,,	50·73	51·60	51·02	52·37	
12 ,,	52·84	55·61	53·15	57·77	
13 ,,	53·41	58·11	55·36	62·69	
14 ,,	55·44	63·60	56·35	70·57	
15 ,,	56·99	71·30	55·94	72·44	
16 ,,	60·87	78·90	58·55	77·85	
17 ,,	61·18	88·49	59·77	85·34	
18 ,,	62·50	95·26	60·31	89·03	
19 ,,	66·55	92·70	61·07	89·50	
20 ,,	53·88	93·50	58·97	102·53	
21 ,,	65·25	92·50	...	...	
22 ,,	61·00	86·00	60·13	120·00	
28 ,,	...	...	60·00	92·00	
32 ,,	...	...	61·00	87·00	

MEDICAL INSPECTION. STATEMENT No. III.

Quinquennial average of heights and weights of boys and girls

No.	Age.	Average height in inches.		Average weight in pounds.	
		Boys.	Girls.	Boys.	Girls.
1	5 years.	40·94	39·68	34·90	31·18
2	6 ,,	42·68	41·08	37·05	33·78
3	7 ,,	42·91	42·90	37·96	35·67
4	8 ,,	44·48	44·50	41·44	39·95
5	9 ,,	47·21	46·47	45·37	43·15
6	10 ,,	49·65	48·88	50·20	46·89
7	11 ,,	51·78	50·92	51·99	51·58
8	12 ,,	53·01	52·77	54·75	54·72
9	13 ,,	55·26	54·73	58·69	61·77
10	14 ,,	58·38	57·09	67·41	67·73
11	15 ,,	60·71	57·57	69·91	70·80

MEDICAL INSPECTION. STATEMENT No. IV.

Treatment Table

Group.	No. sent to Corporation dispensaries.	No. referred to Government hospitals.	No. referred to Ophthalmic Hospital and eye sections of other hospitals.	No. referred to Tuberculosis Institute and Sanatorium.	No. of parents met.	No. of re-visits paid to schools.	No. of re-examinations of children.	Remarks.
Boys ...	6,671	2,607	134	12	3,708	118	8,471	
Girls ...	3,903	600	82	11	1,465	126	6,165	
Total ...	10,574	3,207	216	23	5,173	244	14,636	

Teeth and Mouth Table

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	
1	Dirty Teeth	69	14	48	19	2	10	116	20	81	37	...	11	241
2	Dental Caries	635	37	594	200	6	84	730	54	676	238	....	117	1803
3	Stomatitis	475	475	...	240	224	16	773	773	...	380	374	16	1868
4	Tongue Tie	4	...	4	1	...	1	2	...	2	3	...	3	10
5	Oral Sepsis	3	2	1	...	....	...	5	4	1	1	...	1	9
6	Other Conditions	40	39	1	3	2	...	73	70	1	...	...	....	116

N. B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.

Nose and Throat Table

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries	No. referred to Government Hospitals.	
1	Nasal Catarrh	215	215	...	3	3	...	155	155	...	3	3	....	376
2	Nasal Polypus	2	...	2	....	...	...	2	...	2	...	...	....	4
3	Enlarged Tonsils	936	698	238	1006	842	164	1128	831	297	1367	1149	218	4437
4	Granular Pharynx	2	2	...	...	...	...	2	2	...	...	...	....	4
5	Adenoids	26	12	14	8	...	8	31	7	24	5	...	5	70
6	Enlarged cervical glands	21	21	...	72	72	...	24	24	...	104	104	....	221
7	Bifid and Elongated uvula	14	3	10	3	...	...	9	...	7	3	...	....	29
8	Other Conditions	12	12	....	....	....	...	8	7	1	2	2	....	22

N. B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.

STATEMENT No. VII.

Eye Table

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Govt. Ophthalmic hospital and Ophthalmic sections of other hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Govt. Ophthalmic hospital and Ophthalmic sections of other hospitals.	No. Defective	No. sent to Corporation Dispensaries.	No. referred to Govt. Ophthalmic hospital and Ophthalmic sections of other hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Govt. Ophthalmic hospital and Ophthalmic sections of other hospitals.	
1	Conjunctivitis ...	51	51	...	35	35	....	41	40	1	23	23	...	150
2	Blepharitis ...	1	...	1	6	5	1	2	1	1	8	5	3	17
3	Granular lids ...	3	1	2	19	17	2	3	....	3	51	41	10	76
4	Corneal opacity ...	17	...	15	9	....	9	18	2	15	18	...	17	62
5	Corneal ulcer ...	....	....	...	...	....	....	...	...	...	...	...	...	...
6	Staphyloma ...	1	...	1	...	....	....	2	...	2	...	...	...	3
7	Dacryocystitis ...	....	....	....	...	....	....	...	...	...	1	...	1	1
8	Cataract ...	...	....	....	1	....	1	3	...	3	1	...	1	5
9	Xerosis ...	152	152	...	36	35	1	228	228	...	70	70	...	486
10	Stye ...	3	2	....	5	5	....	5	4	...	7	7	...	20
11	Squint ...	19	...	15	11	....	6	28	...	19	23	...	9	81
12	Keratitis ...	1	...	1	...	....	....	....	...	...	...	...	...	1
13	Ptosis	...	....	....	5	....	3	4	1	2	1	...	1	10
14	Other conditions ...	7	2	2	4	1	1	10	4	2	10	...	4	31
15	Defective vision	19	1	18	10	....	10	55	1	54	21	...	21	105

N. B.— Cases not amenable to or not requiring treatment have been omitted in the treatment column.

Infectious Diseases Table

No.	Defects.	Entrants.						Regulars.						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Special sections of hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Special sections of hospitals.	No. defective.	No. sent to Corporation Dispensaries.	No. referred to Special sections of hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Special sections of hospitals.	
	Skin :—													
1	Scabies ...	291	290	1	305	305	...	360	353	7	404	403	1	1360
2	Eczema ...	61	60	1	9	9	...	62	61	1	4	4	...	136
3	Tinea & Fungus ...	62	62	...	32	32	...	98	98	...	44	44	...	236
4	Lichen ...	69	69	...	14	14	...	44	43	1	20	20	...	147
5	Dermatitis ...	12	12	...	7	6	1	10	10	...	4	4	...	33
6	Pruritis ...	9	9	...	...	...	...	7	7	...	...	...	...	16
7	Psoriasis ...	1	1	...	4	4	...	3	3	...	3	3	...	11
8	Impetigo ...	16	16	...	2	2	...	17	17	...	...	...	...	35
9	Leprosy ...	127	127	...	17	17	...	281	281	...	49	49	...	474
10	Other conditions ...	4	4	...	1	1	...	4	4	...	1	...	1	10
	Other infectious diseases :—													
1	Malaria ...	...	...	...	...	...	...	...	...	...	...	...	...	...
2	Kala-azar ...	...	...	...	...	...	...	...	...	...	...	...	...	...
3	Hook-worm ...	4	3	1	3	1	2	3	1	2	9	3	6	19
4	Influenza ...	1	1	...	3	3	...	...	...	...	2	2	...	6
5	Mumps ...	...	...	...	1	1	...	...	...	...	...	...	...	1
6	Whooping cough ...	7	7	...	4	4	...	2	2	...	...	...	...	13
7	Congenital Syphilis ...	...	...	...	...	...	...	...	...	...	...	...	...	
8	Other conditions ...	5	5		...	...	...	2	2	...	...	...	...	7

N.B.—Cases not amenable to or not requiring treatment have been omitted in the treatment column.

Other Diseases Table

No.	Defects.	Entrants						Regulars						Total defectives of boys and girls.
		Boys.			Girls.			Boys.			Girls.			
		No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	No. Defective.	No. sent to Corporation Dispensaries.	No. referred to Government Hospitals.	
1	Worms ...	168	168	...	2	2	...	87	87	...	12	12	...	269
2	Wounds, cuts, ulcers etc. ...	40	40	...	74	74	...	61	61	...	106	106	...	281
3	Undescended Testis.	15	...	12	...	...	...	22	...	11	...	...	...	37
4	Phimosis ...	288	...	288	...	...	...	314	...	314	...	....	...	602
5	Enlarged Groin Glands ...	1	1	....	...	....	...	5	4	1	...	....	...	6
6	Pyrexia ...	28	28	....	20	20	...	23	23	...	22	22	...	93
7	Boils and abscesses...	52	48	4	28	28	...	58	54	4	22	22	...	160
8	Keloids ...	2	...	2	...	...	...	2	...	2	1	...	...	5
9	Warts ..	4	1	1	2	1	...	3	2	....	...	....	...	9
10	Leucodermic patches	8	...	...	2	1	1	10	...	...	5	2	3	25
11	Tumours ..	1	...	1	2	...	2	4	...	4	3	...	3	10
12	Obesity ...	1	1	...	1	1	...	3	...	...	...	...	...	5
13	Whitlow ...	1	1	...	3	3	...	...	...	...	1	1	...	5
14	Xeroderma ...	24	24	...	1	1	...	31	31	....	....	...	...	56
15	Dog-bite ...	2	...	2	...	...	....	...	...	...	...	....	....	2
16	Sinus ...	...	...	...	...	...	...	1	1	...	....	...	...	1
17	Burns and Scalds ...	1	1	...	...	...	...	2	2	...	1	1	....	4
18	Other conditions ...	24	22	...	1	...	1	22	18	2	1	...	1	48

N. B.— Cases not amenable to or not requiring treatment have been omitted in the treatment column.

MEDICAL INSPECTION. STATEMENT No. X.

Details of defects found on Medical Inspection of Schools, 1940–41.

No.	Systems or Organs.	Diseases.	No. Defective.				Total defectives of boys and girls.	Remarks.
			Entrants.		Regulars.			
			Boys.	Girls.	Boys.	Girls.		
1	Ear.	1. Otorrhoea ...	75	45	84	59	263	
		2. Otitis ...	47	6	45	21	119	
		3. Other ear diseases ...	72	...	90	3	165	
		4. Defective hearing ...	5	2	8	8	23	
2	Speech.	1. Stammering ...	18	2	27	5	52	
		2. Lisping ...	3	1	4	4	12	
		3. Dumb ...	1	...	1	1	3	
3	Heart and Circulation	1. Heart Diseases :— (a) Organic ...	8	2	17	4	31	
		(b) Functional ...	20	2	32	1	55	
		2. Anaemia ...	32	14	26	9	81	
		3. Other conditions ...	8	...	12	...	20	
4	Lungs.	1. Bronchitis (Acute & Chronic) ...	181	64	134	43	422	
		2. Other non-tubercular diseases (Asthma etc.,) ...	8	3	15	7	33	
5	Tuberculosis.	1. Pulmonary (a) Definite ...	...	1	...	2	3	
		(b) Suspected ...	5	1	7	3	16	
		2. Non-Pulmonary (a) Glands ...	...	2	...	1	3	
		(b) Spine ...	...	...	...	...	...	
		(c) Hip ...	...	...	...	...	...	
		(d) Bones &Joints ...	...	...	...	...	...	
		(e) Skin ...	...	...	...	...	...	
		(f) Other forms ...	...	...	...	...	...	
6	Abdominal Organs.	1. Enlarged Spleen ...	5	1	3	...	9	
		2. „ Liver ...	8	...	5	...	13	
		3. „ Liver and Spleen ...	...	...	...	1	1	
		4. „ Hydrocele (a) Vaginal ...	7	...	1	...	8	
		(b) Cord ...	...	...	8	...	8	
		(c) Infantile ...	5	...	9	...	14	
		5. Hernia (a) Inguinal.	27	...	47	...	74	
		(b) Umbilical.	23	1	17	...	41	
		(c) Femoral.	...	...	...	...	...	
		6. Stomach conditions ...	5	1	11	1	18	
		7. Bowel conditions ...	9	2	16	5	32	
		8. Other conditions ...	6	...	11	1	18	
		9. Generative disorders in girls ...	...	...	...	1	1	
7	Bones and Joints.	1. Bones (a) Fractures ...	3	...	1	...	4	
		(b) Caries ...	...	...	...	...	...	
		(c) Deformities ...	1	2	...	1	4	
		(d) Diseases ...	...	...	2	1	3	
		2. Joints (a) Dislocations & Sprains	2	1	4	3	10	
		(b) Diseases ...	...	1	...	4	5	
		(c) Deformities ...	6	...	2	1	9	
		3. Rickets (a) General ...	10	2	21	...	33	
		(b) Deformed chest ...	243	8	251	10	512	
8	Nervous system.	1. Organic disease (Palsies etc.) ...	5	6	6	3	20	
		2. Functional disorders ...	4	...	2	...	6	
		3. Other conditions ...	2	...	2	...	4	
9	Psychic system.	1. Mentally defective ...	5	1	5	4	15	

MEDICAL INSPECTION. STATEMENT No. X.

Details of defects found on Medical Inspection of Schools, 1940-41.
(contd.)

No.	systems or Organs.	Diseases.	No. Defective.				Total defectives of boys and girls.	Remarks.
			Entrants.		Regulars.			
			Boys.	Girls.	Boys.	Girls.		
10	Deformities.	1. General Deformities :—						
		(a) Spinal deformities ...	3	...	2	...	5	
		(b) Talipes ...	1	4	1	4	10	
		(c) Shortened limbs ...	10	2	22	4	38	
		(d) Congenital dislocation hip ...	2	3	1	5	11	
		(e) Ankylosis of joints ...	2	...	5	1	8	
		(f) Amputated limbs ...	...	...	...	...	...	
		(g) Genu varum and valgum ...	...	...	...	...	...	
		(h) Supernumerary Fingers ...	1	2	...	...	3	
		(i) Flat foot ...	...	...	...	1	1	
		(j) Syndactily ...	...	...	...	...	...	
		(k) Dwarf ...	...	...	...	2	2	
		(l) Other conditions ...	3	...	1	1	5	

MEDICAL INSPECTION. STATEMENT No. XI.

"Following up" work done showing the results of medical advice, 1940—41

Number	Systems or Organs	Diseases	Operations performed after medical advice	No. of cases cured after treatment	No. of cases improved after treatment	No. of cases where treatment was continued	Remarks
1		Malnutrition ...	...	333	869	662	
2	Teeth & Mouth	Dirty Teeth ...	18	33	38	56	
		Dental Caries ...	265	65	138	187	
		Gum Boil ...	2	...	...	...	
		Stomatitis ...	...	598	548	384	
		Glossitis ...	...	20	8	16	
		Tongue Tie ...	2	...	...	...	
3	Nose & Throat	Nasal Catarrh and Rhinitis ...	...	167	116	70	
		Enlarged Tonsils and Adenoids ...	135	433	707	2313	
		Enlarged Cervical glands ...	...	23	87	54	
		Granular Pharynx ...	...	...	3	1	
		Nasal Polypus ...	...	...	...	3	
		Elongated uvula ...	...	5	3	11	
4	Eye Diseases	Conjunctivitis ...	...	114	16	2	
		Xerosis ...	...	75	158	141	
		Stye ...	...	13	5	2	
		Granular lids ...	...	3	12	46	
		Blepharitis ...	...	2	1	10	
		Staphyloma ...	...	...	...	1	
		Dacryocystitis ...	...	...	...	1	
		Corneal opacity ...	...	...	3	6	
		Keratitis ...	...	1	...	...	
		Squint ...	*1	...	...	7	* Corrected with glasses
		Other conditions ...	...	...	...	2	
5	Defective Vision ...	...	*9	1	12	33	*Corrected with glasses
6	Ear Diseases...	Otitis ...	...	37	38	39	
		Otorrhoea ...	...	60	64	92	
		Wax ear ...	...	127	24	...	
		Defective hearing ...	...	...	2	4	
7	Circulatory System	Anaemia ...	...	16	28	22	
		Functional diseases ...	...	4	20	16	
		Organic diseases ...	...	...	2	19	
		Other conditions ...	...	...	11	5	
8	Tuberculosis	Pulmonary—					
		(a) Definite ...	...	...	...	3	
		(b) Suspected ...	...	...	5	11	
		Other forms ...	...	...	...	3	
9	Respiratory System	Bronchitis ...	...	230	121	38	
		Asthma ...	...	1	18	11	
10	Abdominal Organs	Enlarged Spleen ...	...	4	3	2	
		„ Liver ...	...	3	2	6	
		„ Liver and Spleen ...	...	...	...	1	

MEDICAL INSPECTION. STATEMENT No. XI.

"Following up" work done showing the results of medical advice, 1940-41.—contd.

Number	Systems for Organs	Diseases	Operations performed after medical advice	No. of cases cured after treatment	No. of cases improved after treatment	No. of cases where treatment was continued	Remarks
	Abdominal Organs—contd	Diarrhoea ...	...	12	...	...	
		Dysentery ...	...	8	...	...	
		Dyspepsia ...	...	6	5	4	
		Chronic constipation .	...	4	2	...	
		Jaundice ...	...	...	...	...	
		Hydrocele ...	5	...	...	...	
		Inguinal Hernia ...	6	...	1	...	
		Umbilical Hernia ...	...	...	...	...	
		Colitis ...	...	6	...	...	
		Generative disorders in girls ...	1	...	...	...	
11	Bones & Joints	Rickety Chest and General Rickets ...	...	83	170	288	
		Fracture ...	4	4	...	...	
		Sprains & dislocations	...	5	...	...	
		Diseases ...	...	...	1	1	
12	Infectious and Contagious Diseases.	Scabies ...	...	731	277	155	
		Eczema ...	...	68	37	15	
		Tinea, Fungus and Ringworm ...	...	79	57	15	
		Leprosy ...	...	24	47	380	Left 14 ; indifferent 9
		Lichen ...	...	25	52	46	
		Pruritis ...	...	8	7	...	
		Urticaria ...	...	...	...	...	
		Psoriasis ...	...	1	3	...	
		Dermatitis ...	...	11	12	6	
		Impetigo ...	...	13	11	7	
		Hook-worm ...	...	...	4	2	
		Mumps ...	...	1	...	...	
		Whooping cough ...	...	6	1	...	
		Influenza ...	...	6	...	...	
		Congenital Syphilis ...	...	...	...	...	
13	Nervous and Psychic Systems.	Facial Paralysis ...	...	...	...	2	
		Incontinence of urine .	...	...	5	...	
		Epilepsy ...	...	...	1	3	
14	Other diseases and defects.	Worms ...	...	68	12	...	
		Wounds, cuts, ulcers etc. ...	...	240	19	5	
		Boils and Abscesses ...	...	116	2	14	
		Pyrexia ...	...	85	...	...	
		Phimosis ...	123	3	...	...	
		Undescended Testis ...	1	...	...	...	
		Leucodermic patches .	...	...	...	2	
		Burns and Scalds ...	...	5	...	...	
		Whitlow ...	...	3	...	...	
		Xeroderma ...	...	13	7	10	
		Enlarged groin glands	...	...	1	1	
		Warts ...	...	2	...	...	
		Dog-bite ...	...	2	...	...	
		Tumours ...	7	...	...	...	
		Hyperidrosis ...	...	...	...	...	
		Ganglion ...	...	...	...	...	
		Cellulitis ...	...	...	...	...	
		Fistula ...	...	...	...	...	
		Other conditions ...	...	1		3	

	1940			1934		1935		1936		1937		1938		1939	
	Number of samples analysed.	Number of adulterated samples.	Percentage of adulterated samples.	Number of samples analysed.	Percentage of adulterated samples.	Number of samples analysed.	Percentage of adulterated samples.	Number of samples analysed.	Percentage of adulterated samples.	Number of samples analysed.	Percentage of adulterated samples.	Number of samples analysed.	Percentage of adulterated samples.	Number of samples analysed.	Percentage of adulterated samples.
Ghee & Ghee Mixtures....	773	373	48·3	460	44·5	340	44·4	523	28·9	484	31·6	715	40·1	573	37·0
Butter ...	102	45	44·1	114	27·2	44	29·5	98	37·8	122	19·7	73	17·8	65	26·2
Milk ...	288	89	31·1	105	41·9	90	50·0	74	28·4	80	33·8	110	32·8	107	36·4
Gingelly Oil ...	511	33	6·5	259	27·8	305	18·0	246	5·3	263	9·1	341	11·4	395	20·0
Ground-nut Oil	93	20	21·5	...	...	...	...	62	37·1	71	23·9	134	42·6	43	41·9
Cocoanut Oil ...	1	...	...	1	....	...	...	....	....	30	...	...	...	1	...
Coffee Powder ...	43	4	9·3	26	....	18	5·6	8	....	20	...	23	....	24	25·0
Tea	37	....	....	21	....	9	....	2	...	13	....	32	...	18	...
Ghee substitutes of vegetable origin ...	23	16	69·6	...	....	...	....	12	...	10	10·0	21	33·3	19	21·1
Other articles	...	...	....	...	....	....	....	3	33·3	1	....	2	100·0	1	...
Total ...	1871	580	31·0	986	35·7	806	32·9	1028	23·9	1094	22·5	1451	30·4	1246	30·1

Nature of samples.	Adulterated samples among samples analysed in 1940.					Adulterated samples of the previous year pending disposal on 1-1-1940.					Total number of adulterated samples dealt with during 1940.					Total fines levied in 1940.	Average fine per conviction in 1940.	Number of convictions in 1939.	Fines levied in 1939.	Average fine per conviction in 1939.
	Number of samples.	Number of convictions.	Number of samples forfeited or destroyed under Section 12 without prosecution.	Number not convicted:—withdrawals, acquittals etc.	Number pending disposal on 31-12-1940.	Number of samples.	Number of convictions.	Number of samples forfeited or destroyed under Section 12 without prosecution.	Number not convicted:—withdrawals, acquittals etc.	Number pending disposal on 31-12.1940.	Number of samples.	Number of convictions.	Number of samples forfeited or destroyed under Section 12 without prosecution.	Number not convicted:—withdrawals, acquittals etc.	Number pending disposal on 31-12-1940.					
																Rs. A.	Rs.		Rs.	Rs.
Ghee and Ghee mixtures.	373	76	286	...	11	15	13	...	2	...	388	89	286	2	11	3239 8	36	119	4490	38
Butter ...	45	36	...	1	8	2	2	...	...	...	47	38	...	1	8	792 8	21	15	452	30
Milk ...	89	71	...	1	17	8	7	...	...	1	97	78	...	1	18	1824 0	23	38	715	19
Gingelly Oil ...	33	23	1	1	8	7	6	...	1	...	40	29	1	2	8	604 8	21	47	1287	27
Ground-nut Oil ...	20	15	1	1	3	2	2	...	...	...	22	17	1	1	3	277 8	16	20	418	21
Cocoanut Oil ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	... ...	...	...	...	...
Coffee Powder ...	4	3	...	1	...	2	2	...	...	...	6	5	...	1	...	81 8	16	...	...	...
Tea ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	... ...	...	...	...	...
Ghee substitutes ...	16	3	13	...	...	1	1	...	...	...	17	4	13	...	...	68 8	17	3	75	25
Other articles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	... ...	...	1	50	50
Total ...	580	227	301	5	47	37	33	...	3	1	617	260	301	8	48	6388 0	26	243	7487	31

WATER ANALYSIS. TABLE No. I.

Statement showing the meteorological data for the city of Madras for 1940—Daily Averages.

Month.	Hours of bright sun shine.	Mean Temperature (°F).	Velocity of wind in miles per day.	Total rainfall in inches for the month.	Remarks.
January ...	9·6	74·4	293	0·14	
February ...	10·8	76·3	208	...	
March ...	10·4	82·3	263	0·12	
April	9·8	84·0	226	0·48	
May ...	8·7	87·6	263	5·31	
June ...	7·8	87·5	273	0·96	
July ...	5·2	86·0	260	4·11	
August ...	6·8	84·9	266	4·05	
September ...	8·3	83·9	219	2·85	
October ...	7·3	81·6	170	6·18	
November ...	4·6	77·7	241	22·48	
December ...	7·0	76·6	317	5·52	
Total ...				52·20	

WATER ANALYSIS. TABLE No. II.

Showing the examination of water samples during 1940

Serial No.	Description.	No. examined.
1	Complete bacteriological and chemical examination for water samples ...	1,066
2	Partial bacteriological and chemical examination for water samples ...	479
3	Water for microscopical examination from different places in the water supply system	36
4	Identification of algae ...	60
5	Culture media etc., for determination and adjustment of pH	62
6	Samples of water tested for the presence of free chlorine, interfering substances, etc. ...	7,576
7	Examination for the presence of H_2S in filtered waters ...	2,400
	Total	11,679

WATER ANALYSIS.

Important chemical results for each month of the year 1940

(expressed in parts per 100,000)

TABLE No. III.

Month.	Red Hills Lake.				Kilpauk end of the Raw-water Conduit.				Unchlorinated filtered water mixture.				Chlorinated filtered water mixture.				Test-Tap, K. P. S.				Distribution System.			
	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Oxygen Absorbed.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.	No. of Samples.	Ammoniacal Nitrogen.	Albuminoid Nitrogen.	Absorbed Oxygen.
January ...	6	Trace	0·022	0·131	16	0·008	0·025	0·146	16	0·001	0·019	0·115	8	0·001	0·019	0 112	18	0·001	0·019	0·093	20	0·001	0·019	0·106
February ...	6	,,	0·024	0·159	16	Trace	0·028	0·145	16	Trace	0·021	0·109	8	Trace	0·017	0·101	18	0·001	0·019	0·093	12	0·001	0·016	0·074
March ...	5	0·001	0·023	0·178	14	,,	0·036	0·164	12	0·002	0·033	0·127	8	0·003	0·019	0·121	17	0·003	0·018	0·105	17	Trace	0·019	0·102
April ...	...	...	...	...	18	,,	0·035	0·172	18	0·003	0·026	0·134	10	0·003	0·024	0·126	19	0·003	0·030	0·115	18	,,	0·023	0·103
May ...	6	0·003	0·029	0·138	21	0·001	0·037	0·174	19	0·003	0·027	0·145	11	0·005	0·025	0·127	23	0·005	0·029	0·118	18	0·003	0·027	0·112
June ...	5	...	...	0·185	20	...	...	0·174	21	...	...	0·132	10	...	...	0·123	21	...	...	0.121	2	...	...	0·154
July ...	5	0·001	0·038	0·213	19	Trace	0·053	0·158	18	...	...	0·159	9	...	...	0·148	20	...	...	0·135	30	0·024	0·035	0·151
August ...	5	0·007	0·043	0·194	15	0·002	0·050	0·208	14	...	...	0·162	7	...	...	0·152	22	0·012	0·044	0·139	45	0·016	0·045	0·138
September ...	4	0·005	0·032	0·182	21	0·002	0·068	0·179	17	...	...	0·171	11	...	...	0·139	22	...	...	0·136	9	0·003	0·040	0·143
October ...	7	0·005	0·028	0·144	8	0·002	0·038	0·149	8	...	...	0·116	2	...	...	0·117	11	...	...	0·111	13	...	...	0·119
November ...	8	0·001	0·014	0·106	22	Trace	0·029	0·144	20	...	...	0·109	11	...	...	0·038	21	...	...	0·091	...	...	...	...
December ...	6	Trace	0·003	0·099	16	...	...	0·128	18	...	...	0·095	7	...	...	0·077	15	...	...	0·079	...	...	...	...

WATER ANALYSIS.

TABLE No. IV.

Showing the results of the bacteriological examination for each month of the year 1940—Percentage Results.

Month.	Red Hills Lake.								Raw-water, Kilpauk.								Unchlorinated Mixture of Filtrates.							
	No. of Samples	Lactose Fermenters in							No. of Samples	Lactose Fermenters in							No. of Samples	Lactose Fermenters in						
		—60 c. c.	+60 c. c.	+20 c. c.	+10 c. c.	+ 5 c. c.	+ 1 c. c.	+0·1 c. c.		—60 c. c.	+60 c. c.	+20 c. c.	+10 c. c.	+ 5 c. c.	+ 1 c. c.	+0·1 c. c.		—60 c. c.	+60 c. c.	+20 c. c.	+10 c. c.	+ 5 c. c.	+ 1 c. c.	+0·1 c. c.
January ...	5	40·0	40·0	...	...	...	20·0	...	16	...	18·8	25·0	50·0	...	6·2	...	15	20·0	6·7	46·6	13·3	6·7	6·7	...
February ...	6	...	...	...	16·7	33·3	33·3	16·7	13	7·7	...	38·5	30·8	23·0	...	...	12	16·8	33·3	33·3	8·3	8·3	...	...
March ...	5	...	...	40·0	20·0	20·0	20·0	...	15	...	...	33·3	20·0	13·4	33·3	...	14	7·1	7·1	35·9	21·4	21·4	7·1	...
April ...	...	...	...	...	...	...	...	...	19	...	5·3	5·3	...	57·9	31·5	...	18	...	...	44·4	27·8	27·8	...	...
May ...	6	...	...	16·7	...	16·7	50·1	16·6	20	...	...	...	...	50·0	50·0	...	18	...	11·1	5·6	11·1	50·0	16·6	5·6
June ...	5	...	...	...	...	40·0	60·0	...	20	...	...	10·0	5·0	70·0	15·0	...	20	5·0	10·0	15·0	30·0	25·0	15·0	...
July ...	5	...	...	...	...	60·0	20·0	20·0	16	...	...	...	12·5	31·3	56·2	...	15	...	...	20·0	13·3	46·7	20·0	...
August ...	5	...	...	40·0	20·0	...	40·0	...	15	...	...	...	6·7	40·0	53·3	...	14	...	...	...	28·6	57·1	14·3	...
September ...	5	...	...	...	...	20·0	80·0	...	20	...	...	...	5·0	40·0	50·0	5·0	18	...	...	...	...	61·1	22·2	16·7
October ...	7	14·3	14·3	14·3	28·5	...	14·3	14·3	8	...	...	...	12·5	...	87·5	...	8	...	...	...	...	12·5	87·5	...
November ...	8	...	...	...	...	50·0	25·0	25·0	21	...	...	...	...	33·3	61·9	4·8	20	...	...	5·0	5·0	40·0	50·0	...
December ...	6	...	...	33·3	...	33·3	33·4	...	17	...	...	...	...	23·5	76·5	...	14	7·1	14·3	7·1	...	7·1	57·3	7·1

WATER ANALYSIS. Showing the results of the bacteriological examination for each month of the year 1940—Percentage Results. TABLE No. IV. (contd.)

Month.	Chlorinated Mixture of Filtrates.								Test-Tap, Kilpauk Pumping Station.								Distributing System.							
	No. of Samples.	Lactose Fermenters in							No. of Samples.	Lactose Fermenters in							No. of Samples.	Lactose Fermenters in						
		−60 c.c.	+60 c.c.	+20 c.c.	+10 c.c.	+5 c.c.	+1 c.c.	+0·1 c.c.		−60 c.c.	+60 c.c.	+20 c.c.	+10 c.c.	+5 c.c.	+1 c.c.	+0·1 c.c.		−60 c.c.	+60 c.c.	+20 c.c.	+10 c.c.	+5 c.c.	+1 c.c.	+0·1 c.c.
January ...	8	87·5	...	...	12·5	...	...	...	34	100·0	...	...	...	...	...	...	28	42·9	32·1	21·4	...	3·6	...	...
February ...	7	100·0	...	...	...	...	...	...	36	91·7	8·3	...	...	...	...	...	12	33·4	33·3	33·3	...	...	...	...
March ...	7	100·0	...	...	...	...	...	...	33	79·0	15·0	3·0	...	3·0	...	...	19	78·9	15·8	5·3	...	...	...	...
April ...	10	100·0	...	...	...	...	...	...	29	58·6	34·5	6·9	...	...	...	...	17	17·6	23·5	11·8	29·4	17·6	...	...
May ...	10	100·0	...	...	...	...	...	...	40	55·0	25·0	15·0	2·5	2·5	...	...	18	27·8	22·2	27·8	22·2	...	...	...
June ..	9	87·9	11·1	...	...	...	...	...	26	57·7	30·8	11·5	...	...	...	..	4	25·0	50·0	25·0	...	...	...	...
July ...	9	88·9	...	11·1	...	...	...	...	38	50·0	36·8	13·2	...	...	...	...	27	29·6	33·3	22·3	7·4	...	7·4	...
August ...	7	85·7	14·3	...	...	...	...	...	25	44·0	36·0	8·0	8·0	4·0	...	...	46	23·9	13·0	6·5	8·7	32·7	13·0	2·3
September ...	11	100·0	...	...	...	...	...	...	25	100·0	...	...	...	...	...	...	9	66·7	11·1	11·1	11·1	...	...	...
October ...	3	100·0	...	...	...	...	...	...	13	92·3	7·7	...	...	...	...	...	13	76·9	...	...	15·4	7·7	...	...
November ...	11	100·0	...	...	...	...	...	...	24	100·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...
December ...	9	88·9	...	...	11·1	...	...	...	25	100·0	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Month.	No. of samples of water tested for free chlorine and for interfering substances, etc.	Quantity of water filtered in milligrams per day.			Dose of chlorine in p. p. m.			lbs. of chlorine used per month.	Cost of chlorine per lb.			Total cost.			Average No. of beds worked per day during the month.	Remarks.
		Max.	Min.	Mean.	Max.	Min.	Mean.		Rs.	A.	P.	Rs.	A.	P.		
January ...	577	18·00	15·00	16·24	1·25	0·91	1·00	5,028·50	...	5	2	1,623	12	7	7	
February ...	590	20·00	15·33	16·42	0·98	0·79	0·93	4,401·50	...	5	10	1,604	11	5	8	
March ...	680	18·50	15·66	16·98	0·96	0·82	0·90	4,740·50	...	6	11	2,049	4	6	8	
April ...	593	18·50	17·16	17·53	0·97	0·90	0·94	4,933·00	...	6	11	2,132	7	11	8	
May ...	601	19·00	16·66	17·74	1·10	0·90	0·96	5,308·50	...	6	11	2,294	13	2	7	
June ...	586	19·66	17·16	17·93	1·06	0·93	0·98	5,269·00	...	6	11	2,277	11	11	7	
July ...	621	18·66	17·00	17·60	1·15	0·93	1·01	5,503·75	...	6	11	2,379	3	7	8	
August ...	665	20·66	17·00	18·16	1·10	0·86	0·99	5,559·75	...	6	11	2,403	7	0	7	
September ...	570	20·66	17·66	18·20	1·09	0·98	1·03	5,602·50	...	6	11	2,421	14	8	7	
October ...	631	21·66	17·66	19·57	1·20	1·01	1·11	6,732·75	...	6	11	2,910	8	3	9	
November ...	685	21·66	17·66	20·11	1·25	1·01	1·13	6,884·50	...	6	11	2,976	1	10	8	
December ...	777	23 00	20·66	21·36	1·06	0·90	0·96	6,370·00	...	8	3	3,285	9	0	9	
Total ...	7,576	239·96	204·61	217·84	13·17	10·94	11·99	66,336·25				28,359	9	10		
Average.	631	20·00	17·05	18·15	1·09	0·91	1·00	5,528·02	...	6	9½	2,363	4	10	8	

WATER ANALYSIS. TABLE No. VI.

Percentage reduction of organic matter (Tidy's 4 hours test) at different stages of the Water Purification System for each month of the year 1940

Month.	Raw water Kilpauk end.	Filtrates from beds before chlorination.		Test tap K. P. S.		Distribution system.		Remarks.
	* O. A.	* O. A.	% Reduction over R. W.	* O. A.	% Reduction over R. W.	* O. A.	% Reduction over R. W.	
January ...	0·146	0·115	21·2	0·093	36·3	0·106	27·4	
February ...	0·145	0·109	24·8	0·093	35·8	0·074	49·0	
March ...	0·164	0·127	22·6	0·105	36·0	0·102	37·8	
April ...	0·172	0·134	22·1	0·115	33·1	0·103	40·1	
May	0·174	0·145	16·7	0·118	32·2	0·112	35·6	
June ...	0·174	0·132	24·1	0·121	30·5	0·154	11·5	
July ...	0·158	0·159	†0·6	0·135	14·6	0·151	4·4	† Increase.
August	0·208	0·162	22·1	0·139	33·2	0·138	33·7	
September ...	0·179	0·171	4·5	0·136	24·0	0·143	20·1	
October ...	0·149	0·116	22·1	0·111	25·5	0·119	20·1	
November ...	0·144	0·109	24·3	0·091	36·8	...	...	
December ...	0·128	0·095	25·8	0·079	38·3	...	...	

* Oxygen Absorbed



Tenements for the conservancy staff in Ennore Road



North Perambur Child Welfare Centre

ANNUAL REPORT OF THE MATERNITY & CHILD WELFARE SCHEME, CORPORATION OF MADRAS, FOR THE YEAR 1940.

Commissioner,

Sir,

I submit herewith my report of the Child Welfare Scheme for the year 1940.

A perusal of the report will indicate that the Maternity and Child Welfare work in the City of Madras has made a progressive and satisfactory advance. The outstanding features in the report for 1940 are the appreciable reduction in Maternal Mortality and the marked increase in the number of Booked cases.

Centres:- In addition to the already existing 12 Child Welfare Centres, two more Centres, one at North Perambur and the other at Park Town were opened at the end of May during the year. At present there are 14 Child Welfare Centres catering to the needs of the poor in the City of Madras. There was also a proposal to open a new Centre at Mirsaibpet and to construct a new Centre with Maternity beds in Choolai.

Staff:- 15 Women Medical Officers are attached to the Scheme, one for each Centre, and one for relieving duty. Two lady doctors who possess M. B., B. S., degree were appointed during the year.

Health Visitors:- The Ad Hoc Committee appointed by the Council to re-organise the Child Welfare Scheme recommended 3 Health Visitors for each Centre. Only 32 Health Visitors are now attached to the Scheme, 26 of whom are qualified Health Visitors and 6 are General Trained Nurses, and the latter were taken as Qualified Health Visitors were not available. During the year, 4 of the General Trained Nurses who worked in the Scheme as Health Visitors were sent for training to the D.P.H. Health Visitor's Training School to qualify themselves as fully trained Health Visitors. Our thanks are due to the Director of Public Health for giving us trained Health Visitors every year and in course of time it is hoped that the full strength of Health Visitors will be available to render efficient service to the female and infant population of the City.

Midwives:-There are at present 104 Midwives working in the Scheme. They are posted to each Centre according to the magnitude of work. Two batches of six Midwives were sent for Refresher Course to Rajah Sir Ramaswami Mudaliar's Lying-in-Hospital, for a period of 3 months at a time.

Pre-Natal Clinic:-The pre-natal clinic continued to gain popularity. During the year under report there was a marked increase in the number of Booked cases. 18,508 new cases attended the pre-natal clinic held in various centres as against 15,745 for the year 1939 and 13,129 for the year 1938. During the year 2,020 pre-natal clinics were conducted in all the centres by the Lady Doctors and the total attendance was 77,256. The Health Visitors also registered 13,180 new pre-natal cases. The lady doctors gave necessary advice at the clinics and the mothers were benefitted by the advice given and appreciated the usefulness of the clinics. (Vide Statement No.3).

Maternity Service:-Out of a total of 34,641 births (including still births) in the City during the year 14,489 labour cases including 98 twins and 4 triplets (41%) came under the care of the Scheme as against 14,201 for the year 1939 (44.8%) and 14,118 for 1938(45.5%). The fall in the percentage of births which came under the Scheme might be due to the maternity service on payment system introduced last year. The rates fixed are moderate and nominal and it is hoped that a larger section of the middle class as well as the well-to-do public would avail themselves of the maternity service gradually when it gains still wider publicity.

The total amount of receipts realised during the year by way of maternity service on payment system to persons whose income exceeded Rs. 50/- and below Rs. 200/- per mensem was Rs. 1050-8-0.

12,979 cases were conducted by the Midwives of the Scheme. 647 cases were taken over, after the labour was conducted by Barber women. 863 cases were sent to various maternity hospitals in the City before dilivery as some of them were complicated cases and the others were destitutes. 2,339 were Mohamadans and 1,2150 were Non-Mohamadans. (Vide Statement No.I)

The Midwives paid 1,68,015 visits during the year as against 1,62,758 of the previous year and 1,68,940 for 1938. The total number of visits paid by the Health Visitors was 1,55,894 as against 1,27,739 for the year 1939 and 1,04,211 for 1938. The 14 Lady Doctors paid 14,577 visits during the year and they also treated 4,947 morbid cases. (Vide Statement No. II).

Maternal Mortality:- During the year under review 14,489 cases came under the care of the Scheme for which there were only 35 cases of maternal mortality which were as follows:—

Hospital	...	26
Private Doctors	...	1
Barber Women	...	2
Child Welfare Scheme.		6
Total	...	35

This gives a maternal mortality rate of 2.5 per mille as against 3.0 per mille for the year 1939 and 1938 where as the City rate was 7.9 per mille. This is the lowest on record since the inauguration of the Scheme. (Vide Statement No.VI).

Infantile Mortality:-14,201 babies which came under the care of the Scheme in 1939 were kept under observation during their first year of life. The number of still births was 423. The mortality among live births was 1596. This works out an infantile mortality rate of 115.8 per mille as against 114.8 for the year 1939 and 111·3 for 1938. The city rate was 205.69 per mille. (Vide Sts.VII & VIII).

The increase in the infantile mortality rate might be due to poverty and the still existing ignorance and economic distress of the people residing in slums, and hutting grounds. It is hoped that by the appointment of the full complement of Qualified Health Visitors, the women population may be educated in matters of maternity and bringing up of infants, and by close observation and attention of infants, the infantile mortality may be reduced as far as possible.

Out Patient Clinic:- An out-patient clinic was conducted in all the Centres by the Lady Doctors where infants and pre-school children, expectant and nursing mothers were examined and treated for minor ailments. The total number of new cases that were treated and advised during the year was 76,738 where as the grand total of new and old cases was 2,61,879. (Vide Statement No. XI).

Infants & Toddlers Clinic:- 1,348 clinics for infants and toddlers were held during the year. The total attendance was 1,29,849 of which 91,281 were infants and 38,568 were toddlers. 1,408 clinics were held for nursing mothers and the total attendance was 1,15,829. 665 mothers' classes were held and the attendance was 10,481.

Milk Supply:- Cow's milk was supplied to 609 deserving babies during 1940 as against 468 for 1939 and 441 for 1938. The total attendance was 1,57,650 as against 1,09,036 for 1939 and 1,19,360 for 1938. 2,052 expectant mothers also were given cow's milk during the year as against 1,303 for 1939 and 603 for 1938. The babies were also weighed once a month.

Baths:- 811 babies were given warm baths during the year as against 652 during 1939 and 772 during 1938.

Ambulance:- The Scheme maintained an Ambulance Car to convey emergency labour cases to various hospitals in the City. 870 requisitions were made for the Ambulance Car during 1940 as against 897 during 1939 and 943 during 1938. As there was only one Ambulance Car, whenever requisitions were made for the Car simultaneously, the staff had to arrange private conveyance to take the patients to hospitals.

Health Propaganda:- 628 lectures on matters of health were delivered during the year as against 615 for 1939 and 613 for 1938. Out of these 268 lectures were conducted with the aid of magic lantern, 22 were cinema shows and 338 were out-door lectures. The total attendance was 31,123 as against 24,019 for 1939 and 24,012 for 1938.

314 Health Talks were also given by the Lady Doctors in all the Corporation Girls' Schools as against 58 for 1939. The total attendance was 55,506.

Enamel chart boards on maternity and child welfare subjects were prepared and exhibited at the Centres during the year for the benefit of the expectant and nursing mothers.

Our thanks are due to the Commissioner, Health Officer and the Standing Committee (Health) for their valuable advice and guidance in working the Scheme and also to the staff for their co-operation in making it a success.

(Sd). H. V. KAMALAMMAL.
24-5-41.

Lady Superintendent,
Child Welfare Scheme.

STATEMENT NO. I

Statement showing the cases of labour which came under the observation of the staff of the Child Welfare Scheme from 1st January to 31st December 1940.

CENTRES.	How Conducted.			Total Cases.	Caste.		REMARKS.
	By Nurses of the child welfare scheme.	Taken over after the barber women conducted labour	Taken to Hospital		Mahommedans.	Non-Mahommedans.	
Triplicane ...	1450	37	57	1544	560	984	8 Twins 1 Triplet
Chetput ...	205	20	72	297	7	290	1 „
Mirsaibpet ...	1151	72	62	1285	212	1073	8 „ 1 „
Royapettah ...	704	63	49	816	99	717	4 „ ...
Royapuram ...	1184	78	49	1311	138	1173	12 „ ...
Washermanpet ...	1344	50	78	1472	285	1187	17 „ ...
Muthialpet ...	1038	49	60	1147	300	847	5 „ ...
George Town ...	1199	43	76	1318	74	1244	9 „ ...
Purusawalkkam ...	995	50	75	1120	31	1089	11 „ ...
Egmore ...	808	54	83	945	104	841	4 „ 1 „
Perambur ...	278	17	31	326	57	269	6 „ 1 „
Choolai ...	1192	62	115	1369	215	1154	
Pulianthope ...	1060	36	36	1132	255	877	12 „ ...
Park Town ...	371	16	20	407	2	405	1 ;, ...
Total ...	12979	647	863	14489	2339	12150	98 Twins-4 Triplet

STATEMENT No. II.

Number of Visits paid by the Staff of Child Welfare Scheme during the year 1940.

CENTRES.	Visits paid by			Total.
	Mid-wives.	Health Visitors.	Lady Doctors.	
1. Triplicane ...	17728	17606	1096	36430
2. Chetput	3805	7492	899	12196
3. Mylapore ...	14266	13224	1205	28695
4. Royapettah ...	9050	8090	1039	18179
5. Royapuram ...	13862	12699	1217	27778
6. Washermanpet ...	17737	11169	1156	30062
7. Muthialpet ...	11646	12384	1148	25178
8. George Town ...	15637	11279	1074	27990
9. Purusawalkkam ...	12347	11464	967	25278
10. Egmore ...	11953	13010	1035	25998
11. Pulianthope ...	15651	13928	1171	30750
12. Choolai ...	13982	13961	1276	29219
13. N. Perambur ...	4320	3329	675	8324
14. Park Town ...	5531	6259	619	12409
Total ...	168015	155894	14577	338486

STATEMENT No. III.

Statement showing the No. of Ante-Natal cases registered and No. of Booked Cases conducted by Child Welfare Scheme during the year 1940.

CENTRES.	Number of A.N. cases registered by H.Vs.	Number of booked cases which attended A. N. Clinics.	Number of booked cases conducted by						Total.
			C. W. Staff.	Barber Women.	Hospital	Private Doctors.	Cases not traceable.	Cases not confined.	
Triplicane ..	1661	1997	1053	105	411	26	203	199	1997
Chetput ...	463	333	112	22	95	1	48	55	333
Mirsaibpet ...	1172	1779	948	156	357	27	200	91	1779
Royapettah ...	892	948	429	115	219	5	73	107	948
Royapuram ...	1849	1685	746	166	418	4	145	206	1658
Washermanpet ...	946	2010	836	269	425	...	160	320	2010
Muthialpet ...	741	1378	753	42	60	19	365	139	1378
George Town ...	927	2030	863	101	332	25	456	253	2030
Puruswalkkam ...	567	1453	622	86	249	6	246	244	1453
Egmore ...	1129	1257	569	129	315	...	128	116	1257
Pulianthope ...	1217	1325	591	214	192	16	130	182	1325
Choolai ...	692	1659	856	170	221	4	201	207	1659
Perambur ...	289	193	62	6	12	2	13	98	193
Park Town ...	635	461	214	29	74	7	25	112	461
Total ...	13180	18508	8658	1833	3144	141	2403	2329	18503

STATEMENT No. IV.

Ante-Natal cases registered and diseases and ailments of pregnancy diagnosed and patients advised for treatment during the year 1940.

Centres.	Constipation	Dyspepsia	Scanty Urine	Dysentery	Bronchitis	A. P. H.	Stomatitis	Fever	Leucorrhoea	Albuminuria	Anaemia	Diarrhoea	Debility	Neuritis	Ring Worm	Swelling	Skin Affection	Asthma	Varicose Veins	Malaria	Eclampsia	Heart Burn	V. D. H.	Giddiness	Ulcerated Vulva	Gastritis	Scabies	Worms	Morning Sickness	Retention of Urine	Breast Abscess	Jaundice	Normal	Influenza	General Anasarca	Other Diseases	Paralysis	Ear & Eye Diseases.	Enteritis	Pyrexia	Oedema	Not confined in 1939 but consequently confined in 1940	Total.
1. Triplicane ...	450	119	114	17	49	...	68	15	...	32	154	15	44	...	...	...	9	2	...	1	...	11	3	6	...	...	...	...	...	...	...	...	413	25	4	152	...	...	...	...	48	246	1,997
2. Chetput ...	72	4	27	1	8	...	16	5	...	5	20	1	2	...	...	...	1	...	...	...	...	...	...	2	...	1	...	...	...	...	...	...	110	...	1	11	...	...	...	...	5	41	333
3. Mylapore ...	390	266	153	13	5	...	51	...	...	...	85	5	...	...	...	1	5	...	...	...	...	2	1	...	1	...	4	...	...	...	...	...	555	...	...	5	...	...	...	...	14	223	1,779
4. Royapettah ...	171	15	83	22	37	2	46	3	3	23	173	8	1	1	2	...	3	1	...	...	1	2	4	6	1	3	2	...	...	...	...	...	6	1	2	21	...	...	...	...	6	90	948
5. Royapuram ...	360	43	104	25	69	2	54	13	1	48	316	24	91	9	3	5	13	5	1	7	2	1	31	10	5	17	6	...	8	3	2	...	3	2	4	139	...	9	1	...	19	230	1,685
6. Washermanpet ...	328	...	82	64	49	1	44	...	3	52	267	80	106	46	1	1	2	3	...	37	...	...	3	1	1	8	3	...	...	3	...	...	441	9	...	47	...	...	...	...	2	326	2,010
7. Muthialpet ...	172	8	67	17	50	Nil.	36	20	8	7	52	26	55	4	2	...	5	...	6	12	...	1	8	1	...	15	...	...	4	...	...	...	498	3	6	135	...	2	...	...	31	127	1,378
8. George Town ...	606	91	43	25	91	...	104	21	Nil.	47	183	27	51	1	2	15	10	...	...	1	...	...	17	13	...	29	...	...	1	...	1	...	336	1	...	59	...	...	...	...	15	240	2,030
9. Purusawalkkam ...	356	7	136	30	36	1	39	7	3	23	79	20	94	...	3	2	3	6	...	4	...	6	...	7	...	33	...	...	12	...	...	...	316	9	3	5	...	3	...	...	18	192	1,453
10. Egmore ...	629	112	118	16	53	...	28	2	...	5	77	8	57	...	...	2	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	10	...	...	9	...	...	...	...	4	125	1,257
11. Pulianthope ...	247	179	113	19	26	...	66	15	...	6	17	22	...	18	6	8	3	1	...	...	3	28	22	11	...	11	2	...	...	2	...	...	207	...	Nil.	9	...	1	3	...	11	269	1,325
12. Choolai ...	486	16	200	12	28	...	46	1	...	2	32	46	8	...	12	29	12	3	...	...	1	5	4	9	1	...	...	...	...	2	...	5	463	6	...	1	...	...	...	11	...	218	1,659
13. North Perambur ...	50	18	6	2	7	...	16	...	...	2	40	3	20	...	1	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	23	...	...	Nil.	...	...	...	...	3	...	193
14. Park Town ...	77	15	42	12	16	...	46	6	...	29	37	9	2	...	2	...	...	...	...	...	...	...	7	2	5	...	5	...	...	...	...	...	123	...	15	...	...	...	...	...	11	...	461
Total ...	4394	893	1288	275	524	6	660	108	18	281	1532	294	530	79	34	63	66	22	7	62	7	61	97	74	8	123	13	4	25	10	3	5	3714	56	35	593	...	15	4	11	187	2327	18,508

STATEMENT V

Maternal Morbidity (Puerperal) 1940.

CENTRES.	Anaemia.	Albuminuria.	Malaria.	V. D. H.	Bronchitis.	Dysentery.	Influenza	Retained Membrane.	Adherent Placenta.	Retained Placenta.	Eclampsia.	Pnuemonia.	T. B.	Ulcerated Vagina.	Retention of Urine.	Syphilis.	Asthma.	Diarrhœa.	Jaundice.	Gastritis.	Constipation.	Mastitis and Breast Abscess.	A. P. H.	P. P. H.	Skin Diseases.	Stomatitis.	Sepsis.	Ulcerated Vulva.	Fever & Hyperpyrexia.	After Pains.	General Anasarca.	Debility.	Swelling.	Perinium tear.	Oedema.	Eczema.	L. P.	Indigestion.	Other Diseases.	Total.
Triplicane ...	141	12	8	3	17	16	17	6	3	2	3	1	1	9	3	—	3	29	—	—	153	11	4	5	10	62	—	—	—	—	—	—	—	—	—	—	—	46	—	565
Chetput ...	7	1	—	—	4	—	9	—	—	—	—	—	—	—	—	—	—	3	Nil	—	2	—	—	—	—	7	—	2	2	8	—	5	—	—	—	—	—	6	—	56
Mirsaibpet ...	54	17	1	4	19	7	14	—	1	1	1	1	1	2	—	—	—	7	—	—	—	2	1	2	4	18	—	1	5	—	—	11	3	5	—	—	—	—	22	204
Royapettah ...	29	7	—	1	19	7	19	1	1	—	2	1	—	—	—	—	—	1	...	20	12	—	—	—	3	18	—	—	1	3	—	—	—	—	1	—	—	10	—	156
Royapuram ...	166	3	12	6	4	8	—	—	1	1	—	—	—	1	—	1	1	19	8	—	58	6	1	—	16	51	5	1	36	29	2	107	1	6	—	2	—	11	49	612
Washermanpet ...	47	14	32	3	8	26	2	—	—	—	2	1	1	—	2	—	2	21	1	1	34	2	2	2	—	2	—	—	41	31	—	6	—	4	9	2	6	4	25	333
Muthialpet ...	32	7	5	3	18	10	4	—	8	6	7	4	—	3	16	—	—	12	2	—	37	—	—	9	15	20	—	—	22	35	13	10	13	—	4	—	6	8	134	463
George Town ...	60	20	36	4	15	20	28	—	2	—	7	—	—	1	8	—	8	21	—	14	61	1	2	4	4	17	—	—	13	41	5	21	—	12	—	—	—	9	—	434
Purusawalkkam ...	39	15	9	1	13	18	4	—	—	1	2	—	1	5	8	—	2	14	—	4	49	—	—	3	—	13	—	—	35	38	—	26	16	7	—	—	—	2	—	325
Egmore ...	84	29	1	—	22	7	—	—	—	—	—	2	—	3	28	—	—	6	1	—	198	1	1	2	7	49	—	10	3	169	—	39	3	3	6	—	5	49	8	736
Pulianthope ...	47	33	26	15	30	37	11	4	—	6	2	7	19	22	50	10	7	39	9	31	72	11	4	8	35	49	4	24	46	30	25	11	42	5	18	4	—	40	—	833
Choolai ...	8	7	4	—	5	4	5	—	1	2	3	—	—	4	5	—	—	5	4	—	30	—	2	2	—	—	—	—	8	17	—	10	4	—	—	—	—	—	—	130
Perambur ...	14	5	5	Nil	4	5	1	—	—	—	—	—	—	1	—	—	—	3	—	—	11	1	—	—	—	6	—	1	5	1	—	4	—	—	—	1	—	3	—	71
Park Town	4	Nil	1	—	3	2	—	—	—	—	—	—	1	—	—	—	—	2	—	—	6	—	—	—	—	—	—	—	3	4	—	—	—	—	3	—	—	—	—	29
Total ...	732	170	140	40	181	167	114	11	17	19	29	17	24	51	120	11	23	182	25	70	723	35	17	37	94	312	9	39	220	406	45	250	82	42	41	9	17	188	238	4947

STATEMENT No. VI A.

Maternal Mortality (Puerperal) among cases treated by Child Welfare Scheme for 1940.

CENTRES.	Tuberculosis.	Dysentery.	V. D. H.	Adherent Placenta.	Eclampsia.	Sepsis.	Tetanus.	P. P. H.	Advanced Anaemia.	Heart Failure.	Shock.	Pulmanary Embolism.	S. C. S. Throat affection.	Total.
1. Triplicane ...	...	...	...	...	...	...	...	...	...	...	...	1	...	1
2. Chetput ...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
3. Mirsaibpet ...	...	...	...	...	...	...	...	1	...	...	...	...	...	1
4. Royapettah ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5. Royapuram ...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
6. Washermanpet ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7. Muthialpet ...	...	...	...	...	...	...	...	...	...	...	...	...	1	1
8. George Town ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9. Purusawalkkam ...	...	...	...	...	...	...	...	...	...	1	...	...	...	1
10. Egmore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11. Pulianthope ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12. Choolai ...	...	...	...	...	...	...	...	...	...	...	..	...	...	...
13. Perambur ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14. Park Town ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	...	...	...	...	...	...	...	1	1	2	...	1	1	6

STATEMENT No. VI B.

Details among cases brought to the notice of the Child Welfare Scheme in 1940 but not under our treatment.

	Triplicane.	Chetput.	Mirsaibpet.	Royapettah.	Royapuram.	Washermanpet	Muthialpet.	George Town.	Purasawalk-kam.	Egmore.	Pulianthope.	Choolai.	Perambur.	Park Town.	Total.
1. In Hospital ...	3	1	3	1	3	2	3	1	...	...	2	4	2	1	26
2. Under Private Doctors ...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
3. Under Vydians treatment ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4. Under Barber Women ...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	2
Total ...	3	1	3	1	3	2	4	1	...	...	2	5	3	1	29

STATEMENT No VI C.

Showing the causes of deaths among cases brought to the notice of the Child Welfare Scheme but not under our treatment in 1940.

CENTRES.	General Anasarca.	Toxaemia	Fever (Enteric)	Retained Placenta	Eclampsia	Uranic Coma	Cholera	V. D. H.	Placenta Previa	Diarrhoea	Sepsis	Pneumonia	P. P. H.	Dysentery	Anaemia	Heart Failure	Forceps Contracted Pelvis	Post operative shock	Small-Pox	Rupture of Uterus	A. P. H.	Hyper Pyrexia	Adharent Placenta	Total.
Triplicane	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	3
Chetput	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	1	3
Mirsaibpet	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Royapettah	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Royapuram	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....	....	....	1	....	....	....	3
Washermanpet	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	2
Muthialpet	....	....	....	1	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	1	....	....	1	4
George Town	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Purasawalkam	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	—
Egmore	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	—
Pulianthope	....	....	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	2
Choolai	....	....	....	....	....	....	....	....	....	....	1	....	1	....	1	....	....	....	....	....	....	....	2	5
Perambur	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	1	....	....	....	....	3
Park Town	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	1
Total	....	....	....	1	3	....	....	....	1	....	4	....	4	....	4	....	....	1	1	3	—	—	7	29

MATERNAL MORTALITY RATE.

For Child Welfare Scheme		City Rate.	
1940—2·5	per mille.	1940— 7·9	per mille.
1939—3·0	,,	1939— 7·7	,,
1938—3·0	,,	1938— 9·2	,,
1937—3·0	,,	1937— 9·3	,,
1936—3·0	,,	1936—10·1	,,

STATEMENT No. VII.

Ages at death of infants born during 1939 and kept under observation during the 1st year of life.

From 1st January to 31st December 1939.	Total infants born in 1939.	Still births.	Died within.				Total deaths excepting still births.	Left City or otherwise not traceable.	No. of living children traceable when one year old.
			10 Days.	1 to 3 Months.	3 to 6 Months.	6 to 12 Months			
1. Triplicane ...	1568	24	28	33	56	33	150	398	996
2. Chetput ...	263	12	15	13	7	7	42	32	177
3. Mirsaibpet ...	1137	26	38	26	29	34	127	210	774
4. Royapettah ...	785	28	23	19	16	31	89	66	602
5. Royapuram ...	1298	44	31	34	35	46	146	183	925
6. Washermanpet...	1506	68	34	41	36	31	142	138	1158
7. Muthialpet ...	1151	41	18	39	35	42	134	260	716
8. George Town ...	1246	33	71	30	38	37	176	157	880
9. Purusawalkam ..	1176	44	22	34	36	33	125	171	836
10. Egmore ...	876	21	15	17	32	59	123	109	623
11. Pulianthope ...	1118	34	36	24	20	45	125	134	825
12. Choolai ...	1350	30	22	42	44	34	142	116	1062
13. North Perambur	300	6	3	4	7	17	31	36	227
14. Park Town ...	427	12	24	6	9	5	44	49	322
Total ...	14,201	423	380	362	400	454	1,596	2,059	10123

INFANT MORTALITY RATE.

For infants under the care of the Child Welfare Scheme.		City Rate.	
1940—115·8	per mille	1940—205·6	per mille
1939—114·8	,,	1939—241·6	,,
1938—113·3	,,	1938—222·1	,,
1937—112·3	,,	1937—220·8	,,
1936—124·2	,,	1936—216·5	,,

STATEMENT No. VIII.

Causes of death among infants born in 1939 and kept under observation during the 1st year of life.

Centres.	Total Infants born in 1939.	Still born	Died within 10 days.	Pneumonia.	Fever.	Enteritis.	Small-pox.	Bronchitis.	Malnutrition.	Convulsions.	Whooping Cough	Drugged with native medicine	Dysentery.	Debility.	Measles.	Abscess.	Skin Disease.	Constipation.	Rickets.	Scabies.	Jaundice.	Causes unknown.	Diarrhoea.	Influenza.	Swelling.	Total deaths.	Left City and not traceable.	Number of living children traceable.
Triplicane ...	1568	24	28	4	24	7	5	17	—	14	—	—	2	—	—	8	2	2	—	3	—	8	26	...	....	150	398	996
Chetput ...	263	12	15	2	12	2	—	2	1	—	—	—	2	—	—	—	—	—	—	1	—	2	3	...	...	42	32	177
Mirsaibpet ...	1137	26	38	6	36	—	—	1	—	7	9	—	2	2	—	2	—	—	—	1	...	8	15	....	....	127	210	774
Royapettah	785	28	23	1	20	7	—	4	—	2	1	—	1	—	1	—	3	—	—	—	....	7	19	...	...	89	66	602
Royapuram	1298	44	31	3	26	5	1	9	6	8	6	3	8	7	—	7	3	9	—	2	....	2	8	1	1	146	183	925
Washermanpet ...	1506	68	34	1	37	1	—	1	5	5	—	—	5	8	1	3	—	—	—	2	1	3	35	....	...	142	138	1158
Muthialpet	1151	41	18	5	34	5	—	4	2	10	2	3	2	3	—	3	—	7	4	—	2	10	20	....	...	134	260	716
George Town ...	1246	33	71	7	45	—	8	—	1	9	—	—	8	—	—	—	—	—	—	—	...	...	27	—	—	176	157	880
Purusawalkkam ...	1176	44	22	4	23	7	3	1	—	5	1	1	1	11	1	2	4	4	—	—	...	4	30	...	1	125	171	836
Egmore ...	876	21	15	5	45	19	1	7	—	21	1	—	6	—	1	1	—	—	—	—	1	...	—	....	....	123	109	623
Pulianthope	1118	34	36	2	38	11	1	3	—	7	—	—	4	1	—	—	—	—	—	—	....	...	22	....	...	125	134	825
Choolai ...	1350	30	22	2	19	31	2	2	—	4	1	—	6	7	1	3	4	1	—	—	....	16	19	1	1	142	116	1062
North Perambur ...	300	6	3	—	14	—	—	1	—	3	—	—	5	3	—	—	—	—	—	—	...	....	2	...	...	31	36	227
Park Town	427	12	24	—	4	—	2	—	—	1	2	6	—	—	—	—	—	—	....	....	...	1	3	1	Nil	44	49	322
Total ...	14201	423	380	42	377	95	23	52	15	96	23	13	52	42	5	29	16	23	4	9	4	61	229	3	3	1596	2059	10123

STATEMENT No. IX.

Centres.	Statement Showing the No. of Children taken on for Milk Supply during 1940.			Statement Showing the No. of Expectant Mothers taken on for Milk Supply during 1940.		
	No. taken on for Milk Supply.	Yearly attend-ance.	Average daily attend-ance.	No. taken on for Milk Supply.	Yearly attend-ance.	Average daily attendance.
Triplicane	43	13006	35·6	126	1709	4·7
Chetput ...	37	12952	35·5	58	1035	2·8
Mirsaibpet ...	49	10746	29·4	143	1956	5·4
Rayapettah ...	40	10019	27·4	43	1342	3·7
Royapuram ...	43	14796	40·5	60	622	1·7
Washermanpet...	44	12688	34·7	226	1126	3·1
Muthialpet ...	40	11412	31·3	140	993	2·7
George Town ...	58	11866	32·5	243	2268	6·2
Purusawalkkam.	46	11434	31·3	198	1160	3·2
Egmore ...	35	9780	26.8	161	1910	5·2
Pulianthope	54	10771	29·5	175	989	2·7
Choolai ...	60	16012	43·8	248	1416	3·9
Perambur ...	33	9437	44·3	73	671	3·2
Park Town ...	27	2731	12·8	158	1075	5·0
Total	609	157650	455·4	2052	18272	53·5

STATEMENT X.

Showing the number of children who were given free baths during the year 1940.

Centres.	New Admissions.	No. of baths. given to babies	Average daily attendance
Triplicane —	43	6343	17·4
Chetput —	57	7760	21·3
Mirsaibpet —	65	4664	12·8
Royapettah —	43	5178	14·2
Royapuram —	46	5432	14·9
Washermanpet —	62	7202	19·7
Muthialpet —	36	3576	9·8
George Town —	60	5499	15·1
Purasawalkkam —	57	5502	15·1
Egmore —	177	6935	19·0
Pulianthope —	54	5607	15·4
Choolai —	57	5586	15·3
Perambur —	34	2582	12·1
Park Town —	20	1256	5.9
Total	811	73122	208·0

STATEMENT No. XI.

Showing total attendance at the Out Patient Clinic wherein, Expectant & Nursing Mothers, Infants & Children upto 5 years of age are treated for minor ailments.

CENTRES.	ATTENDANCE AT CLINICS.								Total new attendance.	Grand Total.	DISEASES TREATED.									Total.
	Infants.		Pre School.		Expectant Mothers.		Nursing Mothers.				Respiratory.	Alimentory.	Skin Affection.	Influenza.	Ear & Eye diseases.	Syphilis.	Anaemia.	Malaria.	Other diseases.	
	New.	Old.	New.	Old.	New.	Old.	New.	Old.												
1. Triplicane ...	1383	4786	553	1413	1751	5959	1926	5099	5613	22870	691	1805	218	191	24	2	708	109	1865	5613
2. Chetput ...	1066	1959	558	748	292	1119	421	584	2337	6747	367	192	493	180	59	...	7	8	1031	2337
3. Mirsaibpet ...	1778	3956	1076	1922	1556	4338	2527	10330	6937	27483	1443	2366	363	299	86	...	169	...	2211	6937
4. Royapettah ...	874	1742	646	1024	858	3313	1209	2544	3587	12210	852	886	311	344	67	3	477	18	629	3587
5. Royapuram ...	2228	6397	1062	1782	1455	5405	2778	5871	7523	26978	1510	2290	376	616	181	44	578	140	1878	7523
6. Washermanpet ...	1633	2540	592	782	1684	4669	2064	3663	5973	17624	1450	1802	315	83	103	3	359	274	1584	5973
7. Muthialpet ...	674	5099	149	1013	1272	4693	1228	3060	3323	17188	761	939	72	60	7	2	292	23	1167	3323
8. George Town ...	1098	2735	1001	2574	1790	9319	1658	4629	5547	24804	1128	1669	194	545	58	1	695	30	1236	5547
9. Purusawalkkam ...	1491	1387	651	669	1733	3343	2049	3413	5924	14736	893	1076	161	366	78	1	462	70	2817	5924
10. Egmore ...	1277	2430	372	292	1900	5279	1132	5278	4681	17960	739	1677	208	480	39	...	327	6	1205	4681
11. Pulianthope ...	3462	5021	3326	4741	1267	3377	2833	5106	10888	29133	2639	2309	1153	797	848	...	106	...	3036	10888
12. Choolai ...	2192	4686	1416	2185	1441	4159	3751	8240	8800	28070	747	4456	518	786	113	5	217	116	1842	8800
13. Perambur ...	584	337	708	539	1428	1755	412	1229	3118	6978	526	507	155	42	78	...	149	214	1447	3118
14. Park Town ...	592	2062	399	870	461	2020	964	1659	2487	9098	311	306	90	103	5	...	50	16	1606	2487
Total ...	20332	45137	12509	20554	20188	63177	23709	56273	76738	268179	14057	22181	4627	4892	1746	61	4696	1024	23554	76738

STATEMENT No. XII.

Statement showing the details of Health Propaganda work done by Child-Welfare staff in 1940.

CENTRES.	No. of out-door lectures delivered.	No. of lectures with the aid of Magic Lantern.	No. of lectures with the aid of Cinema shows.	Total attendance at the lectures.	SUBJECTS. Small-Pox.	Story of Jani Bee & Chandi Bee.	Saving the Race.	Malaria.	Typhoid.	Tuberculosis.	Maternity & Child Welfare.	Personal Hygiene.	Domestic Hygiene.	Cholera.	Hook Worm.	Leprosy.	Mosquitoes.	Water-Supply.	Plague.	Ventilation & Housing.	Flies.	Insects & diseases.	Breast fed Baby.	General Sanitation.	Infant feeding.	Child Welfare.	Care of infants.	Ante-Natal Care.	Dental Care.	Evils of having pacifiers	Your mouth.	Gnowing the Knome.	Story of Seetha and Nagamma.	Fever.	Guinea Worms.	Cleanliness.	Proper diet of Infants.	Vaccination.	Other diseases.	Total.
Triplicane ...	27	20	3	3061	1	...	...	4	...	2	2	1	2	5	5	4	2	...	1	3	3	1	2	3	...	...	2	2	1	...	...	...	2	...	...	...	...	...	2	50
Chetput ...	26	20	2	1767	3	...	...	2	...	3	1	2	2	5	3	3	2	3	...	4	4	2	2	3	1	...	...	—	1	...	...	...	2	...	...	...	...	...	...	...	48
Mirsaibpet ...	28	19	3	1917	2	1	2	2	1	2	1	2	1	4	5	3	1	3	...	3	4	2	1	1	2	...	...	...	...	...	...	...	1	...	...	...	...	...	...	6	50
Royapettah ...	24	21	3	1516	3	...	...	5	...	2	1	3	4	5	2	3	...	4	...	1	5	...	1	2	2	...	1	1	1	..	...	1	1	...	...	...	...	...	...	...	48
Royapuram ...	24	22	...	2004	2	...	...	3	...	4	1	4	1	2	3	3	2	1	...	4	1	2	...	1	1	...	...	1	2	...	...	...	2	...	...	1	...	...	1	46
Washermanpet ...	26	20	...	2046	3	...	...	3	...	3	2	2	1	2	4	5	3	2	...	1	5	...	...	2	...	1	...	2	3	...	...	...	2	...	...	...	...	...	...	46
Muthialpet ...	22	25	...	1751	1	...	...	4	...	4	6	3	4	5	4	3	...	...	...	2	2	...	...	1	...	...	5	1	...	...	...	...	...	...	...	1	...	...	1	47
George Town ...	29	19	...	1558	4	...	...	4	...	3	...	4	1	3	3	2	2	...	...	2	1	1	...	1	2	2	2	1	2	...	...	...	2	...	...	3	1	1	1	48
Purusawalkkam ...	26	20	3	2560	2	...	...	6	...	6	1	11	8	5	6	6	1	4	...	1	2	4	...	2	2	...	1	3	3	...	...	1	2	...	3	...	...	...	...	49
Egmore ...	25	21	4	2108	3	...	...	6	...	4	1	3	...	5	6	5	1	1	...	4	...	1	1	2	...	...	...	...	...	...	...	1	...	3	3	...	...	...	...	—	50
Pulianthope ...	28	19	...	2654	2	...	...	5	...	4	1	5	...	4	5	2	3	3	...	2	5	...	...	1	...	...	1	2	...	...	...	...	2	...	...	...	...	...	...	—	47
Choolai ...	24	22	4	5582	2	...	...	3	...	5	1	3	...	4	5	2	1	4	...	1	1	...	2	2	2	1	2	1	...	...	...	...	3	...	...	...	...	...	5	50
Perambur ...	14	10	...	943	1	...	...	3	...	...	3	3	...	2	3	1	...	...	...	1	5	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	—	24
Park Town. ...	15	10	...	1656	2	2	...	3	...	2	...	1	3	2	2	1	2	2	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	25
Total ...	338	268	22	31123	32	3	2	53	1	44	21	47	27	56	56	43	20	27	1	30	40	14	9	21	12	4	14	14	13	...	1	3	22	3	3	5	1	1	16	628

STATEMENT No. XIII.

Centres.	Municipal Divisions.	Total No. of births from 1-1-40 to 31-12-40.	No. of cases conducted by Corporation Midwives.	Percentage of total births.
Royapuram Centre ...	1	713	337	47·2
	2	677	279	41·2
	3	1,724	568	32·9
Washermanpet	4	1,487	664	44·7
	5	1,494	680	45·5
Muthialpet	6	440	158	35·9
	7	715	341	47·7
	8	311	118	37·9
	9	621	269	43·3
	10	421	152	36·1
George Town	11	774	513	66·3
	12	351	108	30·8
	13	1,195	578	48·4
Park Town ...	14	767	189	24·6
	15	363	81	22·3
	16	488	101	20·7
Pulianthope ...	17	1,387	1,060	76·4
North Perambur ...	18	883	278	31·5
Choolai ...	19	1,456	802	55·1
	23	1,000	390	39·0
Purusawalkkam ...	20	898	419	46·7
	21	988	459	46·5
	22	756	117	15·5
Egmore ...	24	558	170	30·5
	25	932	322	34·4
	26	917	276	30·1
	27	1,118	40	3·6
Chetput	28 part	*757	*146	19·3
	29	535	137	25.6
Triplicane ...	30	850	322	37·9
	31	1,134	474	41·8
	32	1,078	247	22·9
	33	710	113	15·9
	34	705	294	41·7
Mylapore ...	35	1,812	740	40·9
	39	617	236	38·2
	40	460	175	38·0
Royapettah ...	36	884	306	34·6
	37	977	254	26·0
	38	688	66	9·6
	28 part	*	*	
		34,641	12,979	37·4